



CHI 2019

Wednesday Full Session Content

Wednesday (2019-05-08)

Wednesday - 08:00 - 09:00

Miscellaneous: **Listening Post**

Wednesday - 08:00 - 09:00

Room: *Island B CROWNE*

Wednesday - 09:00 - 10:20

alt.chi session: **CHI Hard 2: CHI Harder**

Wednesday - 09:00 - 10:20

Room: *Carron 2*

Chair: Tom Feltwell

Inaction as a Design Decision: Reflections on Not Designing Self-Tracking Tools for Menopause

- Sarah Homewood (*IT University of Copenhagen, Copenhagen, Denmark*)

Countermeasures: Learning to Lie to Objects

- Angus Main (*Royal College of Art, London, United Kingdom*)

Patching Gender: Non-binary Utopias in HCI

- Katta Spiel (*TU Wien, Vienna, Austria*)
- Os Keyes (*University of Washington, Seattle, Washington, USA*)
- Pinar Barlas (*Smart Systems and Emerging Technologies, Nicosia, Cyprus*)

Digital Silence and Liberating Stories: During a Student-Driven Movement

- Nova Ahmed (*North South University, Dhaka, Bangladesh*)
- Zareen Tasnim (*North South University, Bangladesh, Dhaka, Bangladesh*)
- Jasmine Jones (*University of Minnesota, MN, USA*)

Case study session: **Big Audiences**

Wednesday - 09:00 - 10:20

Room: *Argyll 1 CROWNE*

Chair: Weiyu Zhang

From the Lab to the OB Truck: Object-Based Broadcasting at the FA Cup in Wembley Stadium

- Thomas Röggl (*Centrum Wiskunde & Informatica, Amsterdam, Netherlands*)
- Jie Li (*Centrum Wiskunde & Informatica, Amsterdam, Netherlands*)
- Stefan Fjellsten (*ChyronHego AB, Stockholm, Sweden*)
- Jack Jansen (*Centrum Wiskunde & Informatica, Amsterdam, Netherlands*)
- Ian Kegel (*BT Applied Research, Ipswich, United Kingdom*)
- Luke Pilgrim (*BT Applied Research, Ipswich, United Kingdom*)
- Martin Trimby (*BT Applied Research, Ipswich, United Kingdom*)
- Doug Williams (*BT Applied Research, Ipswich, United Kingdom*)
- Pablo Cesar (*Delft University of Technology and Centrum Wiskunde & Informatica, Amsterdam, Netherlands*)

The Tesseract Project: Large-Scale, Longitudinal, In Situ, Multimodal Sensing of Information Workers

- Stephen M. Mattingly (*University of Notre Dame, South Bend, IN, USA*)
- Julie M. Gregg (*University of Colorado Boulder, Boulder, CO, USA*)
- Pino Audia (*Dartmouth College, Hanover, NH, USA*)
- Ayse Elvan Bayraktaroglu (*University of California, Irvine, Irvine, CA, USA*)
- Andrew T. Campbell (*Dartmouth College, Hanover, NH, USA*)
- Nitesh V. Chawla (*University of Notre Dame, South Bend, IN, USA*)
- Vedant Das Swain (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Munmun De Choudhury (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Sidney K. D'Mello (*University of Colorado Boulder, Boulder, CO, USA*)
- Anind K. Dey (*University of Washington, Seattle, WA, USA*)
- Ge Gao (*University of California, Irvine, Irvine, CA, USA*)
- Krithika Jagannath (*University of California, Irvine, Irvine, CA, USA*)
- Kaifeng Jiang (*The Ohio State University, Columbus, OH, USA*)
- Suwen Lin (*University of Notre Dame, Notre Dame, IN, USA*)
- Qiang Liu (*University of Texas at Austin, Austin, TX, USA*)
- Gloria Mark (*University of California, Irvine, Irvine, CA, USA*)
- Gonzalo J. Martinez (*University of Notre Dame, Notre Dame, IN, USA*)
- Kizito Masaba (*Dartmouth College, Hanover, NH, USA*)
- Shayan Mirjafari (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Edward Moskal (*University of Notre Dame, Notre Dame, IN, USA*)
- Raghu Mulukutla (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Kari Nies (*University of California, Irvine, Irvine, CA, USA*)
- Manikanta D. Reddy (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Pablo Robles-Granda (*University of Notre Dame, South Bend, IN, USA*)
- Koustuv Saha (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Anusha Sirigiri (*Dartmouth College, Hanover, NH, USA*)
- Aaron Striegel (*University of Notre Dame, South Bend, IN, USA*)

Building Together: When Research Went Viral at Uber

- Bjorn Hubert-Wallander (*Uber Technologies, Inc., San Francisco, CA, USA*)
- Eduardo Gomez Ruiz (*Uber Technologies, Amsterdam, Netherlands*)
- Minal Jain (*Uber Technologies, San Francisco, CA, USA*)
- Laura Garcia Barrio (*Uber Do Brasil Tecnologia LTDA, São Paulo, Brazil*)
- Saswati Saha Mitra (*Uber London Limited, London, United Kingdom*)
- Molly Stevens (*Uber Technologies, San Francisco, CA, USA*)

Course: Avoiding and Mitigating Ethical Traps in Technocentric Fieldwork

Wednesday - 09:00 - 10:20 Room: Castle 1 CROWNE

Avoiding and Mitigating Ethical Traps in Technocentric Fieldwork

- Cosmin Munteanu (*University of Toronto Mississauga, Mississauga, Canada*)
- Roisin McNaney (*Bristol University, Bristol, United Kingdom*)
- Jenny Waycott (*The University of Melbourne, Melbourne, Australia*)

Course: Computational Interaction with Bayesian Methods

Wednesday - 09:00 - 10:20 Room: Argyll 2 CROWNE

Computational Interaction with Bayesian Methods

- Per Ola Kristensson (*University of Cambridge, Cambridge, United Kingdom*)
- Nikola Banovic (*University of Michigan, Ann Arbor, MI, USA*)
- Antti Oulasvirta (*Aalto University, Helsinki, Finland*)
- John Williamson (*University of Glasgow, Glasgow, United Kingdom*)

Course: Tangible Ecosystem Design - Developing Disruptive Services for Digital Ecosystems

Wednesday - 09:00 - 10:20 Room: Castle 3 CROWNE

Tangible Ecosystem Design – Developing Disruptive Services for Digital Ecosystems

- Claudia Nass Bauer (*Fraunhofer IESE, Kaiserslautern, Germany*)
- Marcus Trapp (*Fraunhofer IESE, Kaiserslautern, Germany*)

Course: Building Economic Models of Human Computer Interaction

Wednesday - 09:00 - 10:20 Room: Castle 2 CROWNE

Building Economic Models of Human Computer Interaction

- Leif Azzopardi (*University of Strathclyde, Glasgow, United Kingdom*)
- Guido Zuccon (*University of Queensland, Brisbane, Australia*)

Course: Designing with the Mind in Mind: The Psychological Basis for UI Design Guidelines

Wednesday - 09:00 - 10:20 Room: Argyll 3 CROWNE

Designing with the Mind in Mind: The Psychological Basis for UI Design Guidelines

- Jeff A. Johnson (*University of San Francisco, San Francisco, CA, USA*)

Miscellaneous: **Listening post**

Wednesday - 09:00 - 10:20 Room: Island B CROWNE

Miscellaneous: Speaker prep room

Wednesday - 09:00 - 10:20 Room: Etime

Paper session: VR, Immersion, and Presence

Wednesday - 09:00 - 10:20 Room: Dochart 1

Chair: Donghee Yvette Wohn

I'm a Giant: Walking in Large Virtual Environments at High Speed Gains

- Parastoo Abtahi (*Stanford University, Stanford, CA, USA*)
- Mar Gonzalez-Franco (*Microsoft Research, Redmond, WA, USA*)
- Eyal Ofek (*Microsoft Research, Redmond, WA, USA*)
- Anthony Steed (*University College London, London, United Kingdom*)

The Heat is On: Exploring User Behaviour in a Multisensory Virtual Environment for Fire Evacuation

- Emily Shaw (*University of Nottingham, Nottingham, United Kingdom*)
- Tessa Roper (*University of Nottingham, Nottingham, United Kingdom*)
- Tommy Nilsson (*University of Nottingham, Nottingham, United Kingdom*)
- Glyn Lawson (*University of Nottingham, Nottingham, United Kingdom*)
- Sue V.G. Cobb (*University of Nottingham, Nottingham, United Kingdom*)
- Daniel Miller (*University of Nottingham, Nottingham, United Kingdom*)

Putting the Value in VR: How to Systematically and Iteratively Develop a Value-Based VR Application with a Complex Target Group

- Hanneke Kip (*University of Twente & Stichting Transfore, Enschede, Netherlands*)
- Saskia M. Kelders (*University of Twente & North-West University, Enschede, Netherlands*)
- Lisette J.E.W.C Van Gemert-Pijnen (*University of Twente, Enschede, Netherlands*)

RealityCheck: Blending Virtual Environments with Situated Physical Reality

- Jeremy Hartmann (*University of Waterloo & Microsoft Research, Redmond, WA, USA*)
- Christian Holz (*Microsoft Research, Redmond, WA, USA*)
- Eyal Ofek (*Microsoft Research, Redmond, WA, USA*)
- Andrew D. Wilson (*Microsoft Research, Redmond, WA, USA*)

Paper session: Interactive Accessories

Wednesday - 09:00 - 10:20 Room: Alsh 1

Chair: Pedro Lopes

Serpentine: A Self-Powered Reversibly Deformable Cord Sensor for Human Input

- Fereshteh Shahmiri (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Chaoyu Chen (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Anandghan Waghmare (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Dingtian Zhang (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Shivan Mittal (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Steven L. Zhang (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Yi-Cheng Wang (*University of Illinois at Urbana-Champaign, Urbana, IL, USA*)
- Zhong Lin Wang (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Thad E. Starner (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Gregory D. Abowd (*Georgia Institute of Technology, Atlanta, GA, USA*)

EnhancedTouchX: Smart Bracelets for Augmenting Interpersonal Touch Interactions

- Taku Hachisu (*University of Tsukuba, Tsukuba, Japan*)

- Baptiste Bourreau (*University of Tsukuba, Tsukuba, Japan*)
- Kenji Suzuki (*University of Tsukuba, Tsukuba, Japan*)

Thermal Bracelet: Exploring Thermal Haptic Feedback Around the Wrist

- Roshan Lalitha Peiris (*Keio University Graduate School of Media Design, Yokohama, Japan*)
- Yuan-Ling Feng (*Keio University Graduate School of Media Design, Yokohama, Japan*)
- Liwei Chan (*National Chiao Tung University, Hsinchu, Taiwan Roc*)
- Kouta Minamizawa (*Keio University Graduate School of Media Design, Yokohama, Japan*)

EarTouch: Facilitating Smartphone Use for Visually Impaired People in Mobile and Public Scenarios
Honourable Mention

- Ruolin Wang (*Tsinghua University & Ministry of Education, Beijing, China*)
- Chun Yu (*Tsinghua University & Ministry of Education, Beijing, China*)
- Xing-Dong Yang (*Dartmouth College, Hanover, NH, USA*)
- Weijie He (*Tsinghua University, Beijing, China*)
- Yuanchun Shi (*Tsinghua University & Ministry of Education, Beijing, China*)

Paper session: AR/VR 3

Wednesday - 09:00 - 10:20 Room: Clyde Auditorium

Chair: Martin Porcheron

Behind the Curtain of the "Ultimate Empathy Machine": On the Composition of Virtual Reality Nonfiction Experiences
Honourable Mention

- Chris Bevan (*University of Bristol, Bristol, United Kingdom*)
- David Philip Green (*University of the West of England, Bristol, United Kingdom*)
- Harry Farmer (*University of Bath, Bath, United Kingdom*)
- Mandy Rose (*University of the West of England, Bristol, United Kingdom*)
- Kirsten Cater (*University of Bristol, Bristol, United Kingdom*)
- Danaë Stanton Fraser (*University of Bath, Bath, United Kingdom*)
- Helen Brown (*University of Bath, Bath, United Kingdom*)

Experimental Analysis of Barehand Mid-air Mode-Switching Techniques in Virtual Reality
Honourable Mention

- Hemant Bhaskar Surale (*University of Waterloo, Waterloo, Canada*)
- Fabrice Matulic (*Preferred Networks Inc., Tokyo, Japan*)
- Daniel Vogel (*University of Waterloo, Waterloo, Canada*)

What is Mixed Reality?
Honourable Mention

- Maximilian Speicher (*University of Michigan & C&A Europe, Ann Arbor, MI, USA*)
- Brian D. Hall (*University of Michigan, Ann Arbor, MI, USA*)
- Michael Nebeling (*University of Michigan, Ann Arbor, MI, USA*)

Engaging Lived and Virtual Realities

- Aditya Vishwanath (*Stanford University, Stanford, CA, USA*)
- Naveena Karusala (*University of Washington, Seattle, WA, USA*)
- Marisol Wong-Villacres (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Neha Kumar (*Georgia Institute of Technology, Atlanta, GA, USA*)

Paper session: Design Methods for Personalized and Patient-Centered Care

Wednesday - 09:00 - 10:20 Room: Carron 1

Chair: Kellie Morrissey

Engaging Low-Income African American Older Adults in Health Discussions through Community-based Design Workshops

- Christina N. Harrington (*Northwestern University, Evanston, IL, USA*)
- Katya Borgos-Rodriguez (*Northwestern University, Evanston, IL, USA*)
- Anne Marie Piper (*Northwestern University, Evanston, IL, USA*)

Co-Designing Food Trackers with Dietitians: Identifying Design Opportunities for Food Tracker Customization

- Yuhan Luo (*University of Maryland, College Park, College Park, MD, USA*)
- Peiyi Liu (*University of Maryland, College Park, College Park, MD, USA*)
- Eun Kyoung Choe (*University of Maryland, College Park, College Park, MD, USA*)

Participatory Design of VR Scenarios for Exposure Therapy

- Eivind Flobak (*University of Bergen, Bergen, Norway*)
- Jo D. Wake (*University of Bergen & NORCE, Bergen, Norway*)
- Joakim Vindenes (*University of Bergen, Bergen, Norway*)
- Smiti Kahlon (*Haukeland University Hospital, Bergen, Norway*)
- Tine Nordgreen (*Haukeland University Hospital & University of Bergen, Bergen, Norway*)
- Frode Guribye (*University of Bergen & Haukeland University Hospital, Bergen, Norway*)

Co-Created Personas: Engaging and Empowering Users with Diverse Needs Within the Design Process
Honourable Mention

- Timothy Neate (*City, University of London, London, United Kingdom*)
- Aikaterini Bourazeri (*City, University of London, London, United Kingdom*)
- Abi Roper (*City, University of London, London, United Kingdom*)
- Simone Stumpf (*City, University of London, London, United Kingdom*)
- Stephanie Wilson (*City, University of London, London, United Kingdom*)

Paper session: Fabricating Electronics

Wednesday - 09:00 - 10:20 Room: Hall 1

Chair: Michael L. Rivera

FoldTronics: Creating 3D Objects with Integrated Electronics Using Foldable Honeycomb Structures

- Junichi Yamaoka (*The University of Tokyo & Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Mustafa Doga Dogan (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

- Katarina Bulovic (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Kazuya Saito (*The University of Tokyo, Tokyo, Japan*)
- Yoshihiro Kawahara (*The University of Tokyo, Bunkyo-ku, Japan*)
- Yasuaki Kakehi (*The University of Tokyo, Tokyo, Japan*)
- Stefanie Mueller (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

LASEC: Instant Fabrication of Stretchable Circuits Using a Laser Cutter

- Daniel Groeger (*Saarland University, Saarland Informatics Campus, Saarbrücken, Germany*)
- Jürgen Steimle (*Saarland University, Saarland Informatics Campus, Saarbrücken, Germany*)

FiberWire: Embedding Electronic Function into 3D Printed Mechanically Strong, Lightweight Carbon Fiber Composite Objects

- Saiganesh Swaminathan (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Kadri Bugra Ozutemiz (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Carmel Majidi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Scott Hudson (*Carnegie Mellon University, Pittsburgh, PA, USA*)

VirtualComponent: A Mixed-Reality Tool for Designing and Tuning Breadboarded Circuits

- Yoonji Kim (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Youngkyung Choi (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Hyein Lee (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Geehyuk Lee (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Andrea Bianchi (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)

Paper session: Dimensions of Interaction

Wednesday - 09:00 - 10:20 Room: Boisdale 1

Chair: Luis Leiva

Tool Extension in Human-Computer Interaction

- Joanna Bergström (*University of Copenhagen, Copenhagen, Denmark*)
- Aske Mottelson (*University of Copenhagen, Copenhagen, Denmark*)
- Andreea Muresan (*University of Copenhagen, Copenhagen, Denmark*)
- Kasper Hornbæk (*University of Copenhagen, Copenhagen, Denmark*)

Ways of Knowing When Research Subjects Care Honourable Mention

- Dorothy Howard (*University of California, San Diego, La Jolla, CA, USA*)
- Lilly Irani (*University of California, San Diego, La Jolla, CA, USA*)

Explicating "Implicit Interaction": An Examination of the Concept and Challenges for Research

- Barış Serim (*University of Helsinki & Aalto University, Helsinki, Finland*)
- Giulio Jacucci (*University of Helsinki, Helsinki, Finland*)

Personas and Identity: Looking at Multiple Identities to Inform the Construction of Personas

- Nicola Marsden (*Heilbronn University, Heilbronn, Germany*)
- Monika Pröbster (*Heilbronn University, Heilbronn, Germany*)

Paper session: On the Edge of HCI

Wednesday - 09:00 - 10:20 Room: Lomond

Chair: Louise Barkhuus

Thinking Too Classically: Toward a Research Agenda for Human-Quantum Computer Interaction

- Zahra Ashktorab (*IBM Research AI, Yorktown Heights, NY, USA*)
- Justin D. Weisz (*IBM Research AI, Yorktown Heights, NY, USA*)
- Maryam Ashoori (*IBM Research AI, Yorktown Heights, NY, USA*)

SwarmHaptics: Haptic Display with Swarm Robots Honourable Mention

- Lawrence H. Kim (*Stanford University, Stanford, CA, USA*)
- Sean Follmer (*Stanford University, Stanford, CA, USA*)

On the Internet, Nobody Knows You're a Dog... Unless You're Another Dog

- Ilyena Hirskey-Douglas (*Aalto University, Espoo, Finland*)
- Andrés Lucero (*Aalto University, Espoo, Finland*)

Blockchain Assemblages: Whiteboxing Technology and Transforming Infrastructural Imaginaries

- Karim Jabbar (*University of Copenhagen, Copenhagen, Denmark*)
- Pernille Bjørn (*University of Copenhagen, Copenhagen, Denmark*)

Paper session: Sketching and Painting

Wednesday - 09:00 - 10:20 Room: Hall 2

Chair: Stacey Kuznetsov

Swire: Sketch-based User Interface Retrieval

- Forrest Huang (*University of California, Berkeley, Berkeley, CA, USA*)
- John F. Canny (*University of California, Berkeley, Berkeley, CA, USA*)
- Jeffrey Nichols (*Google LLC, Mountain View, CA, USA*)

Mobi3DSketch: 3D Sketching in Mobile AR

- Kin Chung Kwan (*City University of Hong Kong, Hong Kong, Hong Kong*)
- Hongbo Fu (*City University of Hong Kong, Hong Kong, Hong Kong*)

I'm Sensing in the Rain: Spatial Incongruity in Visual-Tactile Mid-Air Stimulation Can Elicit Ownership in VR Users

- Dario Pittera (*University of Sussex, Brighton and Hove, United Kingdom*)
- Elia Gatti (*University of Sussex, Brighton, United Kingdom*)
- Marianna Obrist (*University of Sussex, Brighton, United Kingdom*)

Painting with CATS: Camera-Aided Texture Synthesis

- Ticha Sethapakdi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- James McCann (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Paper session: Privacy and Young People

Wednesday - 09:00 - 10:20 Room: Alsh 2

Chair: Priya C. Kumar

'I make up a silly name': Understanding Children's Perception of Privacy Risks Online

- Jun Zhao (*University of Oxford, Oxford, United Kingdom*)
- Ge Wang (*University College London, London, United Kingdom*)
- Carys Dally (*University of Oxford, Oxford, United Kingdom*)
- Petr Slovak (*King's College London, London, United Kingdom*)
- Julian Edbrooke-Childs (*University College London, London, United Kingdom*)
- Max Van Kleek (*University of Oxford, Oxford, United Kingdom*)
- Nigel Shadbolt (*University of Oxford, Oxford, United Kingdom*)

Risk vs. Restriction: The Tension between Providing a Sense of Normalcy and Keeping Foster Teens Safe Online Best Paper Award

- Karla Badillo-Urquiola (*University of Central Florida, Orlando, FL, USA*)
- Xinru Page (*Bentley University, Waltham, MA, USA*)
- Pamela J. Wisniewski (*University of Central Florida, Orlando, FL, USA*)

Laughing is Scary, but Farting is Cute: A Conceptual Model of Children's Perspectives of Creepy Technologies

- Jason C. Yip (*University of Washington, Seattle, WA, USA*)
- Kiley Sobel (*University of Washington, Seattle, WA, USA*)
- Xin Gao (*University of Washington, Seattle, WA, USA*)
- Allison Marie Hishikawa (*University of Washington, Seattle, WA, USA*)
- Alexis Lim (*University of Washington, Seattle, WA, USA*)
- Laura Meng (*University of Washington, Seattle, WA, USA*)
- Romaine Flor Ofiana (*University of Washington, Seattle, WA, USA*)
- Justin Park (*University of Washington, Seattle, WA, USA*)
- Alexis Hiniker (*University of Washington, Seattle, WA, USA*)

It's My Data! Tensions Among Stakeholders of a Learning Analytics Dashboard

- Kaiwen Sun (*University of Michigan, Ann Arbor, MI, USA*)
- Abraham H. Mhaidli (*University of Michigan, Ann Arbor, MI, USA*)
- Sonakshi Watel (*University of Michigan, Ann Arbor, MI, USA*)
- Christopher A. Brooks (*University of Michigan, Ann Arbor, MI, USA*)
- Florian Schaub (*University of Michigan, Ann Arbor, MI, USA*)

Paper session: Subconscious Game Controls

Wednesday - 09:00 - 10:20 Room: Gala

Chair: Horia Maior

From Director's Cut to User's Cut: to Watch a Brain-Controlled Film is to Edit it Honourable Mention

- Richard Ramchurn (*The University of Nottingham, Nottingham, United Kingdom*)
- Sarah Martindale (*University of Nottingham, Nottingham, United Kingdom*)
- Max L. Wilson (*University of Nottingham, Nottingham, United Kingdom*)
- Steve Benford (*University of Nottingham, Nottingham, United Kingdom*)

SuperVision: Playing with Gaze Aversion and Peripheral Vision

- Argenis Ramirez Gomez (*Lancaster University, Lancaster, United Kingdom*)
- Hans Gellersen (*Lancaster University, Lancaster, United Kingdom*)

Lost in Style: Gaze-driven Adaptive Aid for VR Navigation

- Rawan Alghofaili (*George Mason University, Fairfax, VA, USA*)
- Yasuhito Sawahata (*Japan Broadcasting Corporation, Setagaya, Japan*)
- Haikun Huang (*University of Massachusetts Boston, Boston, MA, USA*)
- Hsueh-Cheng Wang (*National Chiao Tung University, Hsinchu, Taiwan Roc*)
- Takaaki Shiratori (*Facebook Reality Labs, Pittsburgh, PA, USA*)
- Lap-Fai Yu (*George Mason University, Fairfax, VA, USA*)

HeatCraft: Designing Playful Experiences with Ingestible Sensors via Localized Thermal Stimuli

- Zhuying Li (*RMIT University, Melbourne, Australia*)
- Yan Wang (*RMIT University, Melbourne, Australia*)
- Wei Wang (*University of Melbourne, Melbourne, Australia*)
- Weikang Chen (*University of Melbourne, Melbourne, Australia*)
- Ti Hoang (*RMIT University, Melbourne, Australia*)
- Stefan Greuter (*Deakin University, Melbourne, Australia*)
- Florian Floyd Mueller (*RMIT University, Melbourne, Australia*)

Paper session: Doing Design

Wednesday - 09:00 - 10:20 Room: Forth

Chair: Carine Lallemand

Power Struggles and Disciplined Designers – A Nexus Analytic Inquiry on Cross-Disciplinary Research and Design

- Netta Iivari (*University of Oulu, Oulu, Finland*)

A Practice-Led Account of the Conceptual Evolution of UX Knowledge

- Yubo Kou (*Florida State University, Tallahassee, FL, USA*)
- Colin M. Gray (*Purdue University, West Lafayette, IN, USA*)

Designing for Digital Playing Out

- Gavin Wood (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Thomas Dylan (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Abigail Durrant (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

- Pablo E. Torres (*University College London, London, United Kingdom*)
- Philip Ulrich (*Canterbury Christ Church University, Canterbury, United Kingdom*)
- Amanda Carr (*Canterbury Christ Church University, Canterbury, United Kingdom*)
- Mutlu Cukurova (*UCL Institute of Education, London, United Kingdom*)
- Denise Downey (*The Cedarwood Trust, North Shields, United Kingdom*)
- Phil McGrath (*The Cedarwood Trust, North Shields, United Kingdom*)
- Madeline Balaam (*Royal Institute of Technology (KTH), Stockholm, Sweden*)
- Alice Ferguson (*Playing Out CIC, Bristol, United Kingdom*)
- John Vines (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Shaun Lawson (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

Emotion Work in Experience-Centered Design Honourable Mention

- Madeline Balaam (*KTH Royal Institute of Technology, Stockholm, Sweden*)
- Rob Comber (*KTH Royal Institute of Technology, Stockholm, Sweden*)
- Rachel E. Clarke (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Charles Windlin (*KTH Royal Institute of Technology, Stockholm, Sweden*)
- Anna Ståhl (*RISE, Research Institutes of Sweden, Stockholm, Sweden*)
- Kristina Höök (*KTH Royal Institute of Technology, Stockholm, Sweden*)
- Geraldine Fitzpatrick (*Technische Universität Wien, Vienna, Austria*)

Paper session: Humans' Work with Data

Wednesday - 09:00 - 10:20 Room: Boisdale 2

Chair: Mary Beth Kery

How Data Science Workers Work with Data: Discovery, Capture, Curation, Design, Creation

- Michael Muller (*IBM Research, Cambridge, MA, USA*)
- Ingrid Lange (*IBM Research, Cambridge, MA, USA*)
- Dakuo Wang (*IBM Research, Yorktown Heights, NY, USA*)
- David Piorkowski (*IBM Research, Yorktown Heights, NY, USA*)
- Jason Tsay (*IBM Research, Yorktown Heights, NY, USA*)
- Q. Vera Liao (*IBM Research, Yorktown Heights, NY, USA*)
- Casey Dugan (*IBM Research, Cambridge, MA, USA*)
- Thomas Erickson (*Unaffiliated, Minneapolis, MN, USA*)

Designing for Reproducibility: A Qualitative Study of Challenges and Opportunities in High Energy Physics

- Sebastian S. Feger (*Ludwig Maximilian University of Munich & CERN, Munich, Germany*)
- Sünje Dallmeier-Tiessen (*CERN, Geneva, Switzerland*)
- Albrecht Schmidt (*Ludwig Maximilian University of Munich, Munich, Germany*)
- Paweł W. Woźniak (*Utrecht University, Utrecht, Netherlands*)

An Exploratory Study on Visual Exploration of Model Simulations by Multiple Types of Experts

- Nadia Boukhelifa (*UMR GMPA, AgroParisTech, INRA, Univ. Paris-Saclay, Versailles-Grignon, France*)
- Anastasia Bezerianos (*Univ. Paris-Sud & CNRS (LRI), Inria, Univ. Paris-Saclay, Orsay, France*)
- Ioan Cristian Trelea (*UMR GMPA, AgroParisTech, INRA, Univ. Paris-Saclay, Versailles-Grignon, France*)
- Nathalie Méjean Perrot (*UMR GMPA, AgroParisTech, INRA, Univ. Paris-Saclay, Versailles-Grignon, France*)
- Evelyne Lutton (*UMR GMPA, AgroParisTech, INRA, Univ. Paris-Saclay, Versailles-Grignon, France*)

Visualizing Uncertainty and Alternatives in Event Sequence Predictions

- Shunan Guo (*East China Normal University, Shanghai, China*)
- Fan Du (*Adobe Research, San Jose, CA, USA*)
- Sana Malik (*Adobe Research, San Jose, CA, USA*)
- Eunyee Koh (*Adobe Research, San Jose, CA, USA*)
- Sungchul Kim (*Adobe Research, San Jose, CA, USA*)
- Zhicheng Liu (*Adobe Research, Seattle, WA, USA*)
- Donghyun Kim (*Adobe Research, San Jose, CA, USA*)
- Hongyuan Zha (*East China Normal University, Shanghai, China*)
- Nan Cao (*Tongji University, Shanghai, China*)

Paper session: Making the Virtual Physical

Wednesday - 09:00 - 10:20 Room: Dochart 2

Chair: Ruofei Du

Does It Feel Real? Using Tangibles with Different Fidelities to Build and Explore Scenes in Virtual Reality

- Thomas Muender (*University of Bremen, Bremen, Germany*)
- Anke V. Reinschluessel (*University of Bremen, Bremen, Germany*)
- Sean Drewes (*Universität Bremen, Bremen, Germany*)
- Dirk Wenig (*University of Bremen, Bremen, Germany*)
- Tanja Döring (*University of Bremen, Bremen, Germany*)
- Rainer Malaka (*University of Bremen, Bremen, Germany*)

Enhancing Texture Perception in Virtual Reality Using 3D-Printed Hair Structures Honourable Mention

- Donald Degraen (*Intel Visual Computing Institute (IVCI), Saarland Informatics Campus, Saarbrücken, Germany*)
- André Zenner (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)

Virtual Objects in the Physical World: Relatedness and Psychological Ownership in Augmented Reality

- Lev Poretski (*University of Haifa, Haifa, Israel*)
- Ofer Arazy (*University of Haifa, Haifa, Israel*)
- Joel Lanir (*University of Haifa, Haifa, Israel*)

- Shalev Shachar (*The University of Haifa, Haifa Israel, Israel*)
- Oded Nov (*New York University, New York, NY, USA*)

Barriers to End-User Designers of Augmented Fabrication

- Chandan Mahapatra (*Rochester Institute of Technology, Rochester, NY, USA*)
- Jonas Kjeldmand Jensen (*University of Copenhagen, Copenhagen, Denmark*)
- Michael McQuaid (*Rochester Institute of Technology, Rochester, NY, USA*)
- Daniel Ashbrook (*University of Copenhagen, Copenhagen, Denmark*)

Special Interest Group (SIG): ARC: Moving the Method Forward

Wednesday - 09:00 - 10:20 Room: Island A CROWNE

ARC: Moving the Method Forward

- Ashley Marie Walker (*Northwestern University, Evanston, IL, USA*)
- Michael A. DeVito (*Northwestern University, Evanston, IL, USA*)
- Juan Fernando Maestre (*Indiana University Bloomington, Bloomington, IN, USA*)
- Katie A. Siek (*Indiana University, Bloomington, IN, USA*)
- Cassie Kresnye (*Indiana University, Bloomington, IN, USA*)
- Ben Jelen (*Indiana University, Bloomington, IN, USA*)
- Patrick C. Shih (*Indiana University Bloomington, Bloomington, IN, USA*)
- Maria Wolters (*University of Edinburgh, Edinburgh, United Kingdom*)
- Mona Alqassim (*University of Edinburgh, Edinburgh, United Kingdom*)

Wednesday - 10:20 - 11:00

Break: Break and Interactivity

Wednesday - 10:20 - 11:00 Room: Hall 4

Break: Morning Break

Doctoral Consortium: Doctoral Consortium Poster

Wednesday - 10:20 - 11:00 Room: Hall 4

DC01: Designing for the Self: Enabling People to Design Behavioral Interventions

- Elena Agapie (*University of Washington, Seattle, WA, USA*)

DC02: Bridging Social Critique and Design: Building a Health Informatics Tool for Transgender Voice

- Alex A. Ahmed (*Northeastern University, Boston, MA, USA*)

DC03: Bodily Connectedness: Designing Affective, Movement-based Communication Media

- Yulia Brazauskayte (*University of New South Wales, Sydney, Australia*)

DC04: HCI for Participatory Futuring in Sustainable Communities: Reconciling Visions with Everyday Practice

- Simran Chopra (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

DC05: Reconnecting the Body and the Mind: Technology to Support Mindfulness for Stress

- Karen Anne Cochrane (*University of Sydney, Sydney, Australia*)

DC06: User Adaptation to Constant Change in Algorithmically-Driven Social Platforms

- Michael A. DeVito (*Northwestern University, Evanston, Illinois, USA*)

DC07: Algorithms, Oppression, and Mental Illness on Social Media

- Jessica L. Feuston (*Northwestern University, Evanston, IL, USA*)

DC08: Languages & Visualizations to Enable Effective End User Programming

- Jane Hoffswell (*University of Washington, Seattle, Washington, USA*)

DC09: Player Types of Gamers: Critical Evaluation

- Suvi K. Holm (*University of Turku, Turku, Finland*)

DC10: Designing Visual Communication of Everyday Illness Experiences in Pediatric Care

- Matthew K. Hong (*Georgia Institute of Technology, Atlanta, GA, USA*)

DC11: Designing for Visual Data Exploration in Multi-Device Environments

- Tom Horak (*Technische Universität Dresden, Dresden, Germany*)

DC12: Expressive Biosignals: Authentic Social Cues for Social Connection

- Fannie Liu (*Carnegie Mellon University, Pittsburgh, PA, USA*)

DC13: Inventive Scaffolds Catalyze Creative Learning

- Tricia J. Ngoon (*University of California, San Diego, La Jolla, California, USA*)

DC14: Mobile Persuasive Technology: Promoting Positive Waste Management Behaviors in Developing African Nations

- Makuochi Nkwo (*Ebonyi State University, Abakaliki, Nigeria*)

DC15: Technology Meets Fashion: Exploring Wearables, Fashion Tech and Haute Tech Couture

- Teddy Seyed (*University of Calgary, Calgary, Canada*)

DC16: Collaborative Video Game Design Work and Diversity

- Rachel N. Simons (*The University of Texas at Austin, Austin, TX, USA*)

DC17: Exploring Future IoT for Families through End User Development: Applying Do-It-Together Practises to Reveal Family Dynamics in Technology Adoption

- David Verweij (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

DC18: Designing for Long-term Digital Data Management

- Francesco Vitale (*University of British Columbia, Vancouver, Canada*)

DC19: Exploring Socially-Focused Technologies that Can Help Children with Cancer Feel More Like Children Despite their Disease, Treatment and Environment

- Jillian L. Warren (*Simon Fraser University, Surrey, Canada*)

DC20: Co-Designing Digital Technologies to Support Minimally-Verbal Children on the Autism Spectrum

- Cara Wilson (*Queensland University of Technology, Brisbane, Australia*)

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Interactivity: Interactivity

Wednesday - 10:20 - 11:00

Room: Hall 4

INT001: ScaleDial: A Novel Tangible Device for Teaching Musical Scales & Triads

- Konstantin Klamka (*Technische Universität Dresden, Dresden, Germany*)
- Jannik Wojnar (*Technische Universität Dresden, Dresden, Germany*)
- Raimund Dachsel (*Technische Universität Dresden, Dresden, Germany*)

INT002: ClassBeacons: Enhancing Reflection-in-Action of Teachers through Spatially Distributed Ambient Information

- Pengcheng An (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Saskia Bakker (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Sara Ordanovski (*Utrecht University, Utrecht, Netherlands*)
- Ruurd Taconis (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Chris L. E. Paffen (*Utrecht University, Utrecht, Netherlands*)
- Berry Eggen (*Eindhoven University of Technology, Eindhoven, Netherlands*)

INT003: Physical Programming for Blind and Low Vision Children at Scale

- Nicolas Villar (*Microsoft Research, Redmond, WA, USA*)
- Cecily Morrison (*Microsoft Research, Cambridge, United Kingdom*)
- Daniel Cletheroe (*Microsoft Research, Cambridge, United Kingdom*)
- Tim Regan (*Microsoft Research, Cambridge, United Kingdom*)
- Anja Thieme (*Microsoft Research, Cambridge, United Kingdom*)
- Greg Saul (*Microsoft Research, Cambridge, United Kingdom*)

INT004: StringTouch: A Scalable Low-Cost Concept for Deformable Interfaces

- Beat Rossmly (*LMU University of Munich, Munich, Germany*)
- Alexander Wiethoff (*LMU University of Munich, Munich, Germany*)

INT005: Tangible Interactions with Acoustic Levitation

- Asier Marzo (*Universidad Publica de Navarra, Pamplona, Spain*)
- Steven Kockaya (*University of Bristol, Bristol, United Kingdom*)
- Euan Freeman (*University of Glasgow, Glasgow, United Kingdom*)
- Julie Williamson (*University of Glasgow, Glasgow, United Kingdom*)

INT006: Three-in-one: Levitation, Parametric Audio, and Mid-Air Haptic Feedback

- Gözel Shakeri (*University of Glasgow, Glasgow, United Kingdom*)
- Euan Freeman (*University of Glasgow, Glasgow, United Kingdom*)
- William Frier (*Ultrahaptics Ltd., Bristol, United Kingdom*)

- Michele Iodice (*UltrahapticsUltrahaptics Ltd., Bristol, United Kingdom*)
 - Benjamin Long (*Ultrahaptics Ltd., Bristol, United Kingdom*)
 - Orestis Georgiou (*Ultrahaptics Ltd., Bristol, United Kingdom*)
 - Carl Andersson (*Chalmers University of Technology, Gothenburg, Sweden*)
- INT007: Demonstration of Refinity: An Interactive Holographic Signage for New Retail Shopping Experience**
- Jin Ryong Kim (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
 - Stephanie Chan (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
 - Xiangchao Huang (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
 - Kenneth Ng (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
 - Limin Paul Fu (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
 - Chen Zhao (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
- INT008: Multimodal Representation of Complex Spatial Data**
- Hrishikesh Rao (*University of Michigan, Ann Arbor, MI, USA*)
 - Sile O'Modhrain (*University of Michigan, Ann Arbor, MI, USA*)
- INT009: Brick: A Synchronous Multiplayer Augmented Reality Game for Mobile Phones**
- Po Bhattacharyya (*Carnegie Mellon University, Pittsburgh, PA, USA*)
 - Yein Jo (*Carnegie Mellon University, Pittsburgh, PA, USA*)
 - Ketki Jadhav (*Carnegie Mellon University, Pittsburgh, PA, USA*)
 - Radha Nath (*Carnegie Mellon University, Pittsburgh, PA, USA*)
 - Jessica Hammer (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- INT010: Towards Evidence-informed Design Principles for Adaptive Reading Games**
- Manolis Mavrikis (*University College London, London, United Kingdom*)
 - Asimina Vasalou (*University College London, London, United Kingdom*)
 - Laura Benton (*University College London, London, United Kingdom*)
 - Chrysanthi Raftopoulou (*National Technical University of Athens, Athens, Greece*)
 - Antonios Symvonis (*National Technical University of Athens, Athens, Greece*)
 - Kostas Karpouzis (*National Technical University of Athens, Athens, Greece*)
 - Drew Wilkins (*Fish in a Bottle, Leamington Spa, United Kingdom*)
- INT011: 'In the Same Boat': A Game of Mirroring Emotions for Enhancing Social Play**
- Raquel Breejon Robinson (*University of Saskatchewan, Saskatoon, Canada*)
 - Elizabeth Reid (*University of Saskatchewan, Saskatoon, Canada*)
 - Ansgar E. Depping (*University of Saskatchewan, Saskatoon, Canada*)
 - Regan Mandryk (*University of Saskatchewan, Saskatoon, Canada*)
 - James Collin Fey (*University of California, Santa Cruz, Santa Cruz, CA, USA*)
 - Katherine Isbister (*University of California, Santa Cruz, Santa Cruz, CA, USA*)
- INT012: Slackliner 2.0: Real-time Training Assistance through Life-size Feedback**
- Christian Murlowski (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)
 - Florian Daiber (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)
 - Felix Kosmalla (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)
 - Antonio Krüger (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)
- INT013: Playing Beyond the Front Room: Designing for Social Play in Ola De La Vida**
- Lynn H. C. Love (*Abertay University, Dundee, United Kingdom*)
 - Mona Bozdog (*Abertay University, Dundee, United Kingdom*)
- INT014: Crushed it!: Interactive Floor Demonstration**
- Rina R. Wehbe (*University of Waterloo, Waterloo, Canada*)
 - Kai Bornemann (*Otto-von-Guericke Universität, Magdeburg, Germany*)
 - Benjamin Hatscher (*Otto-von-Guericke Universität, Magdeburg, Germany*)
 - Joseph Tu (*University of Waterloo, Waterloo, Canada*)
 - Lisa F. Cormier (*University of Waterloo, Waterloo, Canada*)
 - Christian Hansen (*Otto-von-Guericke Universität, Magdeburg, Germany*)
 - Edward Lank (*University of Waterloo, Waterloo, Canada*)
 - Lennart E. Nacke (*University of Waterloo, Waterloo, Canada*)
- INT015: FoldTronics Demo: Creating 3D Objects with Integrated Electronics Using Foldable Honeycomb Structures**
- Junichi Yamaoka (*Massachusetts Institute of Technology & University of Tokyo, Cambridge, MA, USA*)
 - Mustafa Doga Dogan (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
 - Katarina Bulovic (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
 - Kazuya Saito (*University of Tokyo, Bunkyo-ku, Japan*)
 - Yoshihiro Kawahara (*University of Tokyo, Bunkyo-ku, Japan*)
 - Yasuaki Kakehi (*University of Tokyo, Bunkyo-ku, Japan*)
 - Stefanie Mueller (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- INT016: Demonstrating Kyub: A 3D Editor for Modeling Sturdy Laser-Cut Objects**
- Patrick Baudisch (*Hasso Plattner Institute, Potsdam, Germany*)
 - Arthur Silber (*Hasso Plattner Institute, Potsdam, Germany*)
 - Yannis Kommana (*Hasso Plattner Institute, Potsdam, Germany*)
 - Milan Gruner (*Hasso Plattner Institute, Potsdam, Germany*)
 - Ludwig Wall (*Hasso Plattner Institute, Potsdam, Germany*)
 - Kevin Reuss (*Hasso Plattner Institute, Potsdam, Germany*)
 - Lukas Heilmann (*Hasso Plattner Institute, Potsdam, Germany*)
 - Robert Kovacs (*Hasso Plattner Institute, Potsdam, Germany*)
 - Daniel Rechlitz (*Hasso Plattner Institute, Potsdam, Germany*)
 - Thijs Roumen (*Hasso Plattner Institute, Potsdam, Germany*)

- INT017: Digital Fabrication of Soft Actuated Objects by Machine Knitting**
- Lea Albaugh (*Carnegie Mellon University, Pittsburgh, PA, USA*)
 - Scott Hudson (*Carnegie Mellon University, Pittsburgh, PA, USA*)
 - Lining Yao (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- INT018: Painting with CATS: Camera-Aided Texture Synthesis**
- Ticha Sethapakdi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
 - James McCann (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- INT019: Flowboard: A Visual Flow-Based Programming Environment for Embedded Coding**
- Anke Brocker (*RWTH Aachen University, Aachen, Germany*)
 - Simon Voelker (*RWTH Aachen University, Aachen, Germany*)
 - Tony Zelun Zhang (*RWTH Aachen University, Aachen, Germany*)
 - Mathis Müller (*RWTH Aachen University, Aachen, Germany*)
 - Jan Borchers (*RWTH Aachen University, Aachen, Germany*)
- INT020: Live Programming By Example**
- Mark Santolucito (*Yale University, New Haven, CT, USA*)
 - William T. Hallahan (*Yale University, New Haven, CT, USA*)
 - Ruzica Piskac (*Yale University, New Haven, CT, USA*)
- INT021: Dynamic Depth-of-Field Projection for 3D Projection Mapping**
- Lihui Wang (*University of Tokyo, Tokyo, Japan*)
 - Hongjin Xu (*University of Tokyo, Tokyo, Japan*)
 - Yunpu Hu (*University of Tokyo, Tokyo, Japan*)
 - Satoshi Tabata (*University of Tokyo, Tokyo, Japan*)
 - Masatoshi Ishikawa (*University of Tokyo, Bunkyo-ku, Japan*)
- INT022: Demonstration of Springlets: Expressive, Flexible and Silent On-Skin Tactile Interfaces**
- Nur Al-huda Hamdan (*RWTH Aachen University, Aachen, Germany*)
 - Adrian Wagner (*RWTH Aachen University, Aachen, Germany*)
 - Simon Voelker (*RWTH Aachen University, Aachen, Germany*)
 - Jan Borchers (*RWTH Aachen University, Aachen, Germany*)
 - Jürgen Steimle (*Saarland University, Saarland Informatics Campus, Saarbrücken, Germany*)
- INT023: A Sensing Technique for Data Glove Using Conductive Fiber**
- Ryosuke Takada (*University of Tsukuba, Tsukuba, Japan*)
 - Junichiro Kadomoto (*The University of Tokyo, Hongo, Japan*)
 - Buntarou Shizuki (*University of Tsukuba, Tsukuba, Japan*)
- INT024: LUNE: Representing Lunar Day by Displayed Lighting Object**
- Sung ho Lee (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
 - Seong beom Kim (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
 - Byoung hern Kim (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
 - Hui sung Lee (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
- INT025: Bear & Co: Simulating Value Conflicts in IoT Development**
- Annelie Berner (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)
 - Monica Seyfried (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)
 - Calle Nordenskjöld (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)
 - Peter Kuhberg (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)
 - Irina Shklovski (*IT University of Copenhagen, Copenhagen, Denmark*)
- INT026: An Exploration of Responsive and Emotive Wearables through Research Prototyping**
- Rain Ashford (*Goldsmiths, University of London, London, United Kingdom*)
- INT027: Being-in-the-Gallery**
- Rhoda Ellis (*Biome Collective, Dundee, United Kingdom*)
- INT028: Hypercept: Speculating the Visual World Intervened by Digital Media**
- Jiabao Li (*Harvard Graduate School of Design, Cambridge, MA, USA*)
 - Honghao Deng (*Harvard Graduate School of Design, Cambridge, MA, USA*)
 - Panagiotis Michalatos (*Harvard Graduate School of Design, Cambridge, MA, USA*)
- INT029: Twenty Years of The Mixed Reality Laboratory**
- Paul Tennent (*University of Nottingham, Nottingham, United Kingdom*)
 - Steve Benford (*University of Nottingham, Nottingham, United Kingdom*)
- INT030: Come Hither to Me: Performance of a Seductive Robot**
- Sahar Sajadieh (*University of California, Santa Barbara, Santa Barbara, CA, USA*)
 - Hannah Wolfe (*University of California, Santa Barbara, Santa Barbara, CA, USA*)
- INT031: Eyes: Iris Sonification and Interactive Biometric Art**
- Yoon Chung Han (*San Jose State University, San Jose, CA, USA*)
 - Praful Surve (*California State University, Fullerton, Fullerton, CA, USA*)
- INT032: Hybrid Dandelion: Visual Aesthetics of Performance Through Bionic Mechanism with Data from Facial Biometric Recognition**
- Scottie Chih-Chieh Huang (*National Tsing Hua University, Hsinchu, Taiwan Roc*)
 - Chung-Yun Hsiao (*National Chiao Tung University, Hsinchu, Taiwan Roc*)
- INT033: Death Ground**
- Christos Michalakos (*Abertay University, Dundee, United Kingdom*)
 - Bernt Isak Wærstad (*Norwegian University of Science and Technology, Trondheim, Norway*)
- INT034: Keycube is a Kind of Keyboard (k^(3))**
- Damien Brun (*Université TÉLUQ, Montréal, Canada*)

- Charles Gouin-Vallerand (*Université TÉLUQ, Montreal, Canada*)
 - Sébastien George (*Le Mans Université, Le Mans, France*)
- INT035: Demonstration of Transcalibur: A VR Controller that Presents Various Shapes of Handheld Objects**
- Jotaro Shigeyama (*University of Tokyo, Bunkyo-ku, Japan*)
 - Takeru Hashimoto (*University of Tokyo, Bunkyo-ku, Japan*)
 - Shigeo Yoshida (*University of Tokyo, Bunkyo-ku, Japan*)
 - Takuji Narumi (*University of Tokyo, Bunkyo-ku, Japan*)
 - Tomohiro Tanikawa (*University of Tokyo, Bunkyo-ku, Japan*)
 - Michitaka Hirose (*University of Tokyo, Bunkyo-ku, Japan*)
- INT036: VRChairRacer: Using an Office Chair Backrest as a Locomotion Technique for VR Racing Games**
- Julius von Willich (*TU Darmstadt, Darmstadt, Germany*)
 - Dominik Schön (*TU Darmstadt, Darmstadt, Germany*)
 - Sebastian Günther (*TU Darmstadt, Darmstadt, Germany*)
 - Florian Müller (*TU Darmstadt, Darmstadt, Germany*)
 - Max Mühlhäuser (*TU Darmstadt, Darmstadt, Germany*)
 - Markus Funk (*TU Darmstadt, Darmstadt, Germany*)
- INT037: Demonstrating VRBox: A Virtual Reality Augmented Sandbox**
- Dmitry Alexandrovsky (*University of Bremen, Bremen, Germany*)
 - Tanja Döring (*University of Bremen, Bremen, Germany*)
 - Susanne Putze (*University of Bremen, Bremen, Germany*)
 - Thomas Fröhlich (*University of Bremen, Bremen, Germany*)
 - Timo Stabbert (*University of Bremen, Bremen, Germany*)
 - Rainer Malaka (*University of Bremen, Bremen, Germany*)
- INT039: A Virtual Reality Experience for Learning Languages**
- Sarah Garcia (*University of South Florida, Tampa, Florida, USA*)
 - Ronald Kauer (*University of South Florida, Tampa, Florida, USA*)
 - Denis Laesker (*University of South Florida, Tampa, Florida, USA*)
 - Jason Nguyen (*University of South Florida, Tampa, Florida, USA*)
 - Marvin Andujar (*University of South Florida, Tampa, Florida, USA*)
- INT040: Experiencing a Mirrored World with Geotagged Social Media in Geollery**
- Ruofei Du (*University of Maryland, College Park, College Park, Maryland, USA*)
 - David Li (*University of Maryland, College Park, College Park, Maryland, USA*)
 - Amitabh Varshney (*University of Maryland, College Park, College Park, Maryland, USA*)
- INT041: Egocentric Smaller-person Experience through a Change in Visual Perspective**
- Jun Nishida (*University of Chicago, Chicago, Illinois, USA*)
 - Soichiro Matsuda (*University of Tsukuba, Tsukuba, Japan*)
 - Mika Oki (*University of Tsukuba, Tsukuba city, Japan*)
 - Hikaru Takatori (*University of Tsukuba, Tsukuba, Japan*)
 - Kosuke Sato (*University of Tsukuba, Ibaraki, Japan*)
 - Kenji Suzuki (*University of Tsukuba, Tsukuba, Japan*)
- INT042: Demonstration of SeeingVR: A Set of Tools to Make Virtual Reality More Accessible to People with Low Vision**
- Yuhang Zhao (*Microsoft Research & Cornell Tech, New York, New York, USA*)
 - Edward Cutrell (*Microsoft Research, Redmond, Washington, USA*)
 - Christian Holz (*Microsoft Research, Redmond, Washington, USA*)
 - Meredith Ringel Morris (*Microsoft Research, Redmond, Washington, USA*)
 - Eyal Ofek (*Microsoft Research, Redmond, Washington, USA*)
 - Andrew D. Wilson (*Microsoft Research, Redmond, Washington, USA*)
- INT043: Immersive VR Exergames for Health and Wellbeing**
- Kiran Ijaz (*The University of Sydney, Sydney, Australia*)
 - Yifan Wang (*The University of Sydney, Sydney, Australia*)
 - Naseem Ahmadpour (*The University of Sydney, Sydney, Australia*)
 - Rafael A. Calvo (*The University of Sydney, Sydney, Australia*)
- INT044: Multisensory Virtual Environment for Fire Evacuation Training**
- Tommy Nilsson (*University of Nottingham, Nottingham, United Kingdom*)
 - Tessa Roper (*University of Nottingham, Nottingham, United Kingdom*)
 - Emily Shaw (*University of Nottingham, Nottingham, United Kingdom*)
 - Glyn Lawson (*University of Nottingham, Nottingham, United Kingdom*)
 - Sue V. G. Cobb (*University of Nottingham, Nottingham, United Kingdom*)
 - Hsieh Meng-Ko (*University of Nottingham, Nottingham, United Kingdom*)
 - Daniel Miller (*University of Nottingham, Nottingham, United Kingdom*)
 - James Khan (*University of Nottingham, Nottingham, United Kingdom*)
- INT045: 3D Positional Movement Interaction with User-Defined, Virtual Interface for Music Software: MoveMIDI**
- Timothy Arterbury (*Baylor University, Waco, TX, USA*)
 - G. Michael Poor (*Baylor University, Waco, TX, USA*)
- INT046: Are Drones Meditative?**
- Joseph La Delfa (*RMIT University, Melbourne, Australia*)
 - Mehmet Aydin Baytas (*Qualisys AB, Gothenburg, Sweden*)
 - Olivia Wichtowski (*RMIT University, Melbourne, Australia*)
 - Rohit Ashok Khot (*RMIT University, Melbourne, Australia*)
 - Florian Floyd Mueller (*RMIT University, Melbourne, Australia*)

INT047: iScream!: Towards the Design of Playful Gustosonic Experiences with Ice Cream

- Yan Wang (*RMIT University, Melbourne, Australia*)
- Zhuying Li (*RMIT University, Melbourne, Australia*)
- Robert Jarvis (*RMIT University, Melbourne, Australia*)
- Rohit Ashok Khot (*RMIT University, Melbourne, Australia*)
- Florian 'Floyd' Mueller (*RMIT University, Melbourne, Australia*)

INT048: Augmenting Circle Dance with Physical Computing

- Hanif Baharin (*Universiti Kebangsaan Malaysia, Bangi, Malaysia*)
- Hafiz Mastro (*AHM Strategies, Rawang, Malaysia*)

INT049: Movie+: Towards Exploring Social Effects of Emotional Fingerprints for Video Clips and Movies

- Anton Fedosov (*Università della Svizzera italiana, Lugano, Switzerland*)
- Bianca Stancu (*Università della Svizzera italiana, Lugano, Switzerland*)
- Elena Di Lascio (*Università della Svizzera italiana, Lugano, Switzerland*)
- Davide Eynard (*Università della Svizzera italiana, Lugano, Switzerland*)
- Marc Langheinrich (*Università della Svizzera italiana, Lugano, Switzerland*)

INT050: PhotoFlow in Action: Picture-Mediated Reminiscence Supporting Family Socio-Connectivity

- Bennett Axtell (*University of Toronto, Toronto, Canada*)
- Cosmin Munteanu (*University of Toronto & University of Toronto Mississauga, Mississauga, Canada*)

Late-Breaking Work: Poster Rotation 2

Wednesday - 10:20 - 11:00 Room: Hall 4

LBW0119: Task Influence on Perceptions of a Person-Following Robot and Following-Angle Preferences

- Shanee Honig (*Ben-Gurion University of the Negev, Be'er Sheva, Israel*)
- Hanan Zaichyk (*Ben-Gurion University of the Negev, Be'er Sheva, Israel*)
- Yael Edan (*Ben-Gurion University of the Negev, Beer sheva, Israel*)
- Tal Oron-Gilad (*Ben Gurion University of the Negev, Beer Sheva, Israel*)

Poster location: Board 8, Poster 15

LBW0211: Distributed User-Generated Card Based Co-Design: A Case-Study

- Roos Voorend (*KU Leuven, Leuven, Belgium*)
- Jan Derboven (*KU Leuven, Leuven, Belgium*)
- Karin Slegers (*KU Leuven & Tilburg University, Tilberg, Netherlands*)

Poster location: Board 1, Poster 2

LBW0212: Augmented Reality for Early Alzheimer's Disease Diagnosis

- Alla Vovk (*Microsoft Research, Cambridge, United Kingdom*)
- Ameera Patel (*Microsoft Research, Cambridge, United Kingdom*)
- Dennis Chan (*University of Cambridge, Cambridge, United Kingdom*)

Poster location: Board 1, Poster 3

LBW0213: The Point-of-Choice Prompt or the Always-On Progress Bar? A Pilot Study of Reminders for Prolonged Sedentary Behavior Change

- Yunlong Wang (*University of Konstanz, Konstanz, Germany*)
- Harald Reiterer (*University of Konstanz, Konstanz, Germany*)

Poster location: Board 1, Poster 4

LBW0214: SMART 2.0: A Multimodal Weight Loss Intervention for Young Adults

- Lisa M. Grega (*University of California, San Diego, La Jolla, CA, USA*)
- Nadir Weibel (*University of California, San Diego, La Jolla, CA, USA*)
- Shadia J. Assi (*University of California, San Diego, La Jolla, CA, USA*)
- Natalie M. Golaszewski (*University of California San Diego, La Jolla, CA, USA*)
- Eric B. Hekler (*University of California, San Diego, San Diego, CA, USA*)
- Job G. Godino (*University of California, San Diego, La Jolla, CA, USA*)

Poster location: Board 1, Poster 5

LBW0215: Designing Family-Centered Aids for the Intensive Care Unit

- Janet Johnson (*University of California, San Diego, La Jolla, CA, USA*)
- Evan Schmitz (*University of California, San Diego, La Jolla, CA, USA*)
- Venkatesh Ramnath (*University of California, San Diego, La Jolla, CA, USA*)
- Nadir Weibel (*University of California, San Diego, La Jolla, CA, USA*)

Poster location: Board 1, Poster 6

LBW0216: Facebook for Support versus Facebook for Research: The Case of Miscarriage

- Mona Y. Alqassim (*University of Edinburgh, Edinburgh, United Kingdom*)
- K. Cassie Kresnye (*Indiana University, Bloomington, IN, USA*)
- Katie A. Siek (*Indiana University, Bloomington, IN, USA*)
- Maria K. Wolters (*University of Edinburgh & Alan Turing Institute, Edinburgh, United Kingdom*)

Poster location: Board 1, Poster 7

LBW0217: Socializing via a Scarf: Individuals with Intellectual and Developmental Disabilities Explore Smart Textiles

- Annuska Zolyomi (*University of Washington, Seattle, WA, USA*)
- Taylor Gotfrid (*Rochester Institute of Technology, Rochester, NY, USA*)
- Kristen Shinohara (*Rochester Institute of Technology, Rochester, NY, USA*)

Poster location: Board 1, Poster 8

LBW0218: MojiBoard: Generating Parametric Emojis with Gesture Keyboards

- Jessalyn Alvina (*University of British Columbia & LRI, Univ. Paris-Sud, CNRS, Inria, Université Paris-Saclay., Vancouver, Canada*)
- Chengcheng Qu (*Lancaster University & LRI, Univ. Paris-Sud, CNRS, Inria, Université Paris-Saclay., Lancaster, United Kingdom*)

- Joanna McGrenere (*University of British Columbia, Vancouver, Canada*)
 - Wendy E. Mackay (*Univ. Paris-Sud, CNRS, Inria, Université Paris-Saclay, Orsay, France*)
- Poster location: Board 1, Poster 17
- LBW0219: 3D Positional Movement Interaction with User-Defined, Virtual Interface for Music Software: MoveMIDI**
- Timothy Arterbury (*Baylor University, Waco, TX, USA*)
 - G. Michael Poor (*Baylor University, Waco, TX, USA*)
- Poster location: Board 1, Poster 10
- LBW0221: The 'Magic Paradigm' for Programming Smart Connected Devices**
- Florian Güldenpfennig (*New Design University, St. Pölten, Austria*)
 - Daniel Dudo (*TU Wien, Wien, Austria*)
 - Peter Purgathofer (*TU Wien, Vienna, Austria*)
- Poster location: Board 2, Poster 2
- LBW0222: Exploring Configuration of Mixed Reality Spaces for Communication**
- Zhenyi He (*New York University, New York, NY, USA*)
 - Karl Toby Rosenberg (*New York University, New York, NY, USA*)
 - Ken Perlin (*New York University, New York, NY, USA*)
- Poster location: Board 2, Poster 3
- LBW0223: Ohmic-Sticker: Force-to-Motion Type Input Device for Capacitive Touch Surface**
- Kaori Ikematsu (*Ochanomizu University, Tokyo, Japan*)
 - Masaaki Fukumoto (*Microsoft Research, Beijing, China*)
 - Itiro Siio (*Ochanomizu University, Tokyo, Japan*)
- Poster location: Board 2, Poster 4
- LBW0224: One-handed Rapid Text Selection and Command Execution Method for Smartphones**
- Toshiyuki Ando (*University of Tsukuba, Tsukuba, Japan*)
 - Toshiya Isomoto (*University of Tsukuba, Tsukuba, Japan*)
 - Buntarou Shizuki (*University of Tsukuba, Tsukuba, Japan*)
 - Shin Takahashi (*University of Tsukuba, Tsukuba, Japan*)
- Poster location: Board 2, Poster 5
- LBW0225: Assessing the Feasibility of Speech-Based Activity Recognition in Dynamic Medical Settings**
- Swathi Jagannath (*Drexel University, Philadelphia, PA, USA*)
 - Aleksandra Sarcevic (*Drexel University, Philadelphia, PA, USA*)
 - Neha Kamireddi (*Drexel University, Philadelphia, PA, USA*)
 - Ivan Marsic (*Rutgers University, Piscataway, NJ, USA*)
- Poster location: Board 2, Poster 6
- LBW0226: Are You There? Identifying Unavailability in Mobile Messaging**
- Pranut Jain (*University of Pittsburgh, Pittsburgh, PA, USA*)
 - Rosta Farzan (*University of Pittsburgh, Pittsburgh, PA, USA*)
 - Adam J. Lee (*University of Pittsburgh, Pittsburgh, PA, USA*)
- Poster location: Board 2, Poster 7
- LBW0227: Older Adults as Makers of Custom Electronics: Iterating on Craftec**
- Ben Jelen (*Indiana University, Bloomington, IN, USA*)
 - Susan Monsey (*Indiana University, Bloomington, IN, USA*)
 - Katie A. Siek (*Indiana University, Bloomington, IN, USA*)
- Poster location: Board 2, Poster 8
- LBW0228: Takeover and Handover Requests using Non-Speech Auditory Displays in Semi-Automated Vehicles**
- Kyle Kutchek (*Michigan Technological University, Houghton, MI, USA*)
 - Myoungsoon Jeon (*Virginia Tech, Blacksburg, VA, USA*)
- Poster location: Board 2, Poster 9
- LBW0229: Multimodal Displays for Take-over in Level 3 Automated Vehicles while Playing a Game**
- Myoungsoon Jeon (*Virginia Tech, Blacksburg, VA, USA*)
- Poster location: Board 2, Poster 10
- LBW0231: From Motions to Emotions: Classification of Affect from Dance Movements using Deep Learning**
- Sukumar Karumuri (*University of Genoa, Genoa, Italy*)
 - Radoslaw Niewiadomski (*University of Genoa, Genoa, Italy*)
 - Gualtiero Volpe (*University of Genoa, Genova, Italy*)
 - Antonio Camurri (*University of Genoa, Genoa, Italy*)
- Poster location: Board 3, Poster 2
- LBW0232: WONDER -- Enhancing VR Training with Electrical Muscle Stimulation**
- Max Pfeiffer (*University of Munster, Münster, Germany*)
 - Tobias Kröger (*University of Münster, Münster, Germany*)
 - Jens Seifert (*University of Münster, Münster, Germany*)
 - Sulaxan Somaskantharajan (*University of Münster, Münster, Germany*)
 - Lukas Jahnich (*University of Münster, Münster, Germany*)
 - Tobias Steinblum (*University of Münster, Münster, Germany*)
 - Jan Speckamp (*University of Münster, Münster, Germany*)
 - Samuel Navas Medrano (*University of Münster, Münster, Germany*)
- Poster location: Board 3, Poster 3
- LBW0233: Exploring Word-gesture Text Entry Techniques in Virtual Reality**
- Sibo Chen (*University of California, Berkeley & Chinese University of Hong Kong, Shenzhen, Berkeley, CA, USA*)
 - Junce Wang (*University of California, Berkeley & Chinese University of Hong Kong, Shenzhen, Berkeley, CA, USA*)
 - Santiago Guerra (*University of California, Berkeley, Berkeley, CA, USA*)

- Neha Mittal (*University of California, Berkeley, Berkeley, CA, USA*)
- Soravis Prakkamakul (*University of California, Berkeley, Berkeley, CA, USA*)

Poster location: Board 3, Poster 4

LBW0234: YourAd: A User Aligned, Personal Advertising System

- David Ramsay (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Joseph A. Paradiso (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

Poster location: Board 3, Poster 5

LBW0235: Paralympic VR Game: Immersive Game using Virtual Reality and Video

- Raquel Macedo (*Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal*)
- Nuno Correia (*Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal*)
- Teresa Romão (*Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal*)

Poster location: Board 3, Poster 6

LBW0236: Using Social Platforms to Increase Engagement in Teaching Computer Programming

- Aderonke Busayo Sakpere (*University of Ibadan, Ibadan, Nigeria*)

Poster location: Board 3, Poster 7

LBW0237: Cyborg Botany: Exploring In-Planta Cybernetic Systems for Interaction

- Harpreet Sareen (*Parsons School of Design, New York, NY, USA*)
- Pattie Maes (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

Poster location: Board 3, Poster 8

LBW0238: Towards Understanding Interactions with Multi-Touch Spherical Displays

- Nikita Soni (*University of Florida, Gainesville, FL, USA*)
- Sayli Bapat (*Maharashtra Institute of Technology, Pune, India*)
- Schuyler Gleaves (*University of Florida, Gainesville, FL, USA*)
- Alice Darrow (*University of Florida, Gainesville, FL, USA*)
- Carrie Schuman (*University of Florida, Gainesville, FL, USA*)
- Hannah Neff (*University of Florida, Gainesville, FL, USA*)
- Peter Chang (*University of Florida, Gainesville, FL, USA*)
- Kathryn A. Stofer (*University of Florida, Gainesville, FL, USA*)
- Lisa Anthony (*University of Florida, Gainesville, FL, USA*)

Poster location: Board 3, Poster 9

LBW0239: Controlling Temporal Change of a Beverage's Taste Using Electrical Stimulation

- Saraha Ueno (*Meiji University, Tokyo, Japan*)
- Kazuma Aoyama (*The University of Tokyo, Tokyo, Japan*)
- Hiromi Nakamura (*Meiji University, Tokyo, Japan*)
- Homei Miyashita (*Meiji University, Tokyo, Japan*)

Poster location: Board 3, Poster 10

LBW0241: Ways of Qualitative Coding: A Case Study of Four Strategies for Resolving Disagreements

- Bonnie Chinh (*University of Washington, Seattle, WA, USA*)
- Himanshu Zade (*University of Washington, Seattle, WA, USA*)
- Abbas Ganji (*University of Washington, Seattle, WA, USA*)
- Cecilia Aragon (*University of Washington, Seattle, WA, USA*)

Poster location: Board 4, Poster 2

LBW0242: Feeling-of-Safety Slider: Measuring Pedestrian Willingness to Cross Roads in Field Interactions with Vehicles

- Francesco Walker (*University of Twente, Enschede, Netherlands*)
- Debargha Dey (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Marieke Martens (*University of Twente, Enschede, Netherlands*)
- Bastian Pflöging (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Berry Eggen (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Jacques Terken (*Eindhoven University of Technology, Eindhoven, Netherlands*)

Poster location: Board 4, Poster 3

LBW0243: The Impact of Placebic Explanations on Trust in Intelligent Systems

- Malin Eiband (*LMU Munich, Munich, Germany*)
- Daniel Buschek (*LMU Munich, Munich, Germany*)
- Alexander Kremer (*LMU Munich, Munich, Germany*)
- Heinrich Hussmann (*LMU Munich, Munich, Germany*)

Poster location: Board 4, Poster 4

LBW0244: Can Privacy-Aware Lifelogs Alter Our Memories?

- Passant Elagroudy (*University of Stuttgart, Stuttgart, Germany*)
- Mohamed Khamis (*University of Glasgow, Glasgow, United Kingdom*)
- Florian Mathis (*LMU Munich, Munich, Germany*)
- Diana Irmscher (*LMU Munich, Munich, Germany*)
- Andreas Bulling (*University of Stuttgart, Stuttgart, Germany*)
- Albrecht Schmidt (*LMU Munich, Munich, Germany*)

Poster location: Board 4, Poster 5

LBW0245: Robots are Always Social: Robotic Movements are Automatically Interpreted as Social Cues

- Hadas Erel (*The Interdisciplinary Center (IDC) Herzliya, Herzliya, Israel*)
- Tzachi Shem Tov (*The Interdisciplinary Center (IDC) Herzliya, Herzliya, Israel*)
- Yoav Kessler (*Ben-Gurion University of the Negev, Beer Sheva, Israel*)
- Oren Zuckerman (*The Interdisciplinary Center (IDC) Herzliya, Herzliya, Israel*)

Poster location: Board 4, Poster 6

LBW0246: The Role of HCI in Reproducible Science: Understanding, Supporting and Motivating Core Practices

- Sebastian S. Feger (*LMU Munich & CERN, Munich, Germany*)
- Sünje Dallmeier-Tiessen (*CERN, Geneva, Switzerland*)
- Paweł W. Woźniak (*Utrecht University, Utrecht, Netherlands*)
- Albrecht Schmidt (*LMU Munich, Munich, Germany*)

Poster location: Board 4, Poster 7

LBW0247: Accessible Instruments in the Wild: Engaging with a Community of Learning-Disabled Musicians

- Jacob Harrison (*Queen Mary University of London, London, United Kingdom*)
- Alan Chamberlain (*University of Nottingham, Nottingham, United Kingdom*)
- Andrew P. McPherson (*Queen Mary University of London, London, United Kingdom*)

Poster location: Board 4, Poster 8

LBW0248: Designing the Next Generation of Activity Trackers for Performance Sports: Insights from Elite Tennis Coaches

- Hayati Havlucu (*Koç University, Istanbul, Turkey*)
- Aykut Coşkun (*Koç University, Istanbul, Turkey*)
- Oğuzhan Özcan (*Koç University, Istanbul, Turkey*)

Poster location: Board 4, Poster 9

LBW0249: DIY Community WiFi Networks: Insights on Participatory Design

- Michael Smyth (*Edinburgh Napier University, Edinburgh, United Kingdom*)
- Ingi Helgason (*Edinburgh Napier University, Edinburgh, United Kingdom*)

Poster location: Board 4, Poster 10

LBW0251: Trail of Hacks: Poster Co-Design as a Tool for Collaborative Reflection

- Janis Lena Meissner (*Newcastle University, Newcastle Upon Tyne, United Kingdom*)
- Nicholas Packham (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- Norman Platt (*Newcastle University, Newcastle Upon Tyne, United Kingdom*)
- Peter Wright (*Newcastle University, Newcastle upon Tyne, United Kingdom*)

Poster location: Board 5, Poster 2

LBW0252: Chats with Bots: Balancing Imitation and Engagement

- Andreea Muresan (*University of Copenhagen, Copenhagen, Denmark*)
- Henning Pohl (*University of Copenhagen, Copenhagen, Denmark*)

Poster location: Board 5, Poster 3

LBW0253: Wake-Up Task: Understanding Users in Task-based Mobile Alarm App

- Kyue Taek Oh (*Hanyang University, Ansan, Republic of Korea*)
- Jaemyung Shin (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Jaejeung Kim (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- In Suk Song (*Hanyang University, Ansan, Republic of Korea*)
- Uichin Lee (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Eunil Park (*Sungkyunkwan University, Suwon, Republic of Korea*)
- Jinyoung Han (*Hanyang University, Ansan, Republic of Korea*)
- Minsam Ko (*Hanyang University, Ansan, Republic of Korea*)

Poster location: Board 5, Poster 4

LBW0254: Push Away the Smartphone: Investigating Methods to Counter Problematic Smartphone Use

- Charlie Pinder (*Independent Researcher, Birmingham, United Kingdom*)
- Jose Ignacio Rocca (*Universidad ORT Uruguay, Montevideo, Uruguay*)
- Benjamin R. Cowan (*University College Dublin, Dublin, Ireland*)
- Russell Beale (*University of Birmingham, Birmingham, United Kingdom*)

Poster location: Board 5, Poster 5

LBW0255: "I Almost Fell in Love with a Machine": Speaking with Computers Affects Self-disclosure

- Qian Yu (*University of California, Berkeley, Berkeley, CA, USA*)
- Tonya Nguyen (*University of California, Berkeley, Berkeley, CA, USA*)
- Soravis Prakkamakul (*University of California, Berkeley, Berkeley, CA, USA*)
- Niloufar Salehi (*University of California, Berkeley, Berkeley, CA, USA*)

Poster location: Board 5, Poster 6

LBW0256: Go for GOLD: Investigating User Behaviour in Goal-Oriented Tasks

- Sarah Prange (*University of Applied Sciences Munich & LMU Munich, Munich, Germany*)
- Daniel Buschek (*LMU Munich, Munich, Germany*)
- Ken Pfeuffer (*Bundeswehr University Munich, Munich, Germany*)
- Lukas Mecke (*University of Applied Sciences Munich & LMU Munich, Munich, Germany*)
- Peter Ehrich (*LMU Munich, Munich, Germany*)
- Jens Le (*University of Applied Sciences Munich & Technical University of Munich, Munich, Germany*)
- Florian Alt (*Bundeswehr University Munich, Munich, Germany*)

Poster location: Board 5, Poster 7

LBW0257: Designing for Preregistration: A User-Centered Perspective

- Xiaoying Pu (*University of Michigan, Ann Arbor, MI, USA*)
- Licheng Zhu (*University of Michigan, Ann Arbor, MI, USA*)
- Matthew Kay (*University of Michigan, Ann Arbor, MI, USA*)
- Frederick Conrad (*University of Michigan, Ann Arbor, MI, USA*)

Poster location: Board 5, Poster 8

LBW0258: You Can't Go Your Own Way: Social Influences on Travelling Behavior

- Kevin Sanders (*KU Leuven, Leuven, Belgium*)
- David Geerts (*KU Leuven, Leuven, Belgium*)

Poster location: Board 5, Poster 9

LBW0259: Hyper Typer: A Serious Game for Measuring Mobile Text Entry Performance in the Wild

- Richard Schlögl (*TU Wien, Vienna, Austria*)
- Christoph Wimmer (*TU Wien, Vienna, Austria*)
- Thomas Grechenig (*TU Wien, Vienna, Austria*)

Poster location: Board 5, Poster 10

LBW0261: A/P(ri)vcy) Testing: Assessing Applications for Social and Institutional Privacy

- Oshrat Ayalon (*Tel Aviv University, Tel Aviv, Israel*)
- Eran Toch (*Tel Aviv University, Tel Aviv, Israel*)

Poster location: Board 6, Poster 2

LBW0262: HappyPermi: Presenting Critical Data Flows in Mobile Application to Raise User Security Awareness

- Mehrdad Bahrini (*University of Bremen, Bremen, Germany*)
- Nina Wenig (*University of Bremen, Bremen, Germany*)
- Marcel Meissner (*University of Bremen, Bremen, Germany*)
- Karsten Sohr (*University of Bremen, Bremen, Germany*)
- Rainer Malaka (*University of Bremen, Bremen, Germany*)

Poster location: Board 6, Poster 3

LBW0264: Towards a Graph of (American) Tech Companies: A Prototype Visualization Tool for Research on Technology and Users

- Niel Chah (*University of Toronto, Toronto, Canada*)

Poster location: Board 6, Poster 4

LBW0265: Engaging Users with Educational Games: The Case of Phishing

- Matt Dixon (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Nalin Asanka Gamagedara Arachchilage (*University of New South Wales, Canberra, Australia*)
- James Nicholson (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

Poster location: Board 6, Poster 5

LBW0266: Metro-Viz: Black-Box Analysis of Time Series Anomaly Detectors

- Philipp Eichmann (*Brown University, Providence, RI, USA*)
- Franco Solleza (*Brown University, Providence, RI, USA*)
- Junjay Tan (*Brown University, Providence, RI, USA*)
- Nesime Tatbul (*Intel Research & Massachusetts Institute of Technology, Boston, MA, USA*)
- Stan Zdonik (*Brown University, Providence, RI, USA*)

Poster location: Board 6, Poster 6

LBW0267: Using a Game to Explore Notions of Responsibility for Cyber Security in Organisations

- Dorota Filipczuk (*University of Southampton, Southampton, United Kingdom*)
- Charles Mason (*University of Southampton, Southampton, United Kingdom*)
- Stephen Snow (*University of Southampton, Southampton, United Kingdom*)

Poster location: Board 6, Poster 7

LBW0268: PaxVis: Visualizing Peace Agreements

- Lucy Havens (*University of Edinburgh, Edinburgh, United Kingdom*)
- Mengting Bao (*University of Edinburgh, Edinburgh, United Kingdom*)
- Larissa Pschetz (*University of Edinburgh, Edinburgh, United Kingdom*)
- Benjamin Bach (*University of Edinburgh, Edinburgh, United Kingdom*)
- Christine Bell (*The University of Edinburgh, Edinburgh, United Kingdom*)

Poster location: Board 6, Poster 8

LBW0269: What is 'Cyber Security'? Differential Language of Cyber Security Across the Lifespan

- Simon L. Jones (*University of Bath, Bath, United Kingdom*)
- Emily I. M. Collins (*University of Bath, Bath, United Kingdom*)
- Ana Levordashka (*University of Bath, Bath, United Kingdom*)
- Kate Muir (*University of Bath, Bath, United Kingdom*)
- Adam Joinson (*University of Bath, Bath, United Kingdom*)

Poster location: Board 6, Poster 9

LBW0271: "Jack-of-All-Trades": A Thematic Analysis of Conversational Agents in Multi-Device Collaboration Contexts

- Yoonjeong Cha (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Jincheul Jang (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Younhyun Hong (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Mun Yong Yi (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 7, Poster 2

LBW0272: A Preliminary Study of the Role of Language in Home Network Troubleshooting

- Amy Csizmar Dalal (*Carleton College, Northfield, MN, USA*)
- Jackie Chan (*Carleton College, Northfield, MN, USA*)
- Kirby Mitchell (*Carleton College, Northfield, MN, USA*)

Poster location: Board 7, Poster 3

LBW0273: The Impact of "Cosmetic" Changes on the Usability of Error Messages

- Tao Dong (*Google, Mountain View, CA, USA*)
- Kandarp Khandwala (*University of California, San Diego & Google, San Diego, CA, USA*)

Poster location: Board 7, Poster 4

LBW0274: Bridging the Gap Between Business, Design and Product Metrics

- Ilias Flaounas (*Atlassian, Sydney, Australia*)
- Arik Friedman (*Atlassian, Sydney, Australia*)

Poster location: Board 7, Poster 5

LBW0275: AR in the Gallery: The Psychogeographer's Table

- Juliano Franz (*Dalhousie University, Halifax, Canada*)
- Mohammed Alnusayri (*Dalhousie University, Halifax, Canada*)
- Joseph Malloch (*Dalhousie University, Halifax, Canada*)
- Akshay Gahlon (*Dalhousie University, Halifax, Canada*)
- Derek Reilly (*Dalhousie University, Halifax, Canada*)

Poster location: Board 7, Poster 6

LBW0276: Let's Chat in Alipay: Understanding Social Function Usage in Task-oriented Apps

- Jiaojiao Fu (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)
- Yangfan Zhou (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)
- Shengnan Wu (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)
- Xin Wang (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)

Poster location: Board 7, Poster 7

LBW0277: Magika, a Multisensory Environment for Play, Education and Inclusion

- Mirko Gelsomini (*Politecnico di Milano, Milano, Italy*)
- Giulia Cosentino (*Politecnico di Milano, Milan, Italy*)
- Micol Spitale (*Politecnico di Milano, Milano, Italy*)
- Mattia Gianotti (*Politecnico di Milano, Milano, Italy*)
- Davide Fisicaro (*Politecnico di Milano, Milan, Italy*)
- Giulia Leonardi (*Politecnico di Milano, Milan, Italy*)
- Fabiano Riccardi (*Politecnico di Milano, Milan, Italy*)
- Agnese Piselli (*Politecnico di Milano, Milan, Italy*)
- Eleonora Beccaluva (*Politecnico di Milano, Milan, Italy*)
- Barbara Bonadies (*Politecnico di Milano, Milano, Italy*)
- Lucia Di Terlizzi (*Politecnico di Milano, Milan, Italy*)
- Martino Zinzone (*Politecnico di Milano, Milan, Italy*)
- Shanti Alberti (*Politecnico di Milano, Milan, Italy*)
- Christelle Rebourg (*Politecnico di Milano, Milan, Italy*)
- Marina Carulli (*Politecnico di Milano, Milan, Italy*)
- Franca Garzotto (*Politecnico di Milano, Milan, Italy*)
- Venanzio Arquilla (*Politecnico of Milano, Milan, Italy*)
- Mario Bisson (*Politecnico di Milano, Milan, Italy*)
- Barbara Del Curto (*Politecnico di Milano, Milan, Italy*)
- Monica Bordegoni (*Politecnico di Milano, Milan, Italy*)

Poster location: Board 7, Poster 8

LBW0278: One Metric for All: Calculating Interaction Effort of Individual Widgets

- Julián Grigera (*LIFIA, Fac. de Informática, UNLP & CICPBA, La Plata, Argentina*)
- Juan Cruz Gardey (*Universidad Nacional de La Plata, La Plata, Argentina*)
- Andrés Rodríguez (*Universidad Nacional de La Plata, La Plata, Argentina*)
- Alejandra Garrido (*Universidad Nacional de La Plata, La Plata, Argentina*)
- Gustavo Rossi (*Universidad Nacional de La Plata, La Plata, Argentina*)

Poster location: Board 7, Poster 9

LBW0279: Exploring Machine Teaching for Object Recognition with the Crowd

- Jonggi Hong (*University of Maryland, College Park, MD, USA*)
- Kyungjun Lee (*University of Maryland, College Park, MD, USA*)
- June Xu (*University of Maryland, College Park, MD, USA*)
- Hernisa Kacorri (*University of Maryland, College Park, MD, USA*)

Poster location: Board 7, Poster 10

LBW0281: Negative Emotions, Positive Experience: What Are We Doing Wrong When Evaluating the UX?

- Walter T. Nakamura (*Federal University of Amazonas, Manaus, Brazil*)
- Elaine H. T. de Oliveira (*Federal University of Amazonas, Manaus, Brazil*)
- Tayana Conte (*Federal University of Amazonas, Manaus, Brazil*)

Poster location: Board 8, Poster 2

LBW0282: Investigating the Role of User's English Language Proficiency in Using a Voice User Interface: A Case of Google Home Smart Speaker

- Aung Pyae (*Swinburne University of Technology, Melbourne, Australia*)
- Paul Scifleet (*Swinburne University of Technology, Melbourne, Australia*)

Poster location: Board 8, Poster 3

LBW0283: Invisible Touch: How Identifiable are Mid-Air Haptic Shapes?

- Isa Rutten (*KU Leuven, Leuven, Belgium*)
- William Frier (*Ultrahaptics, Bristol, United Kingdom*)
- Lawrence Van den Bogaert (*KU Leuven, Leuven, Belgium*)
- David Geerts (*KU Leuven, Leuven, Belgium*)

Poster location: Board 8, Poster 4

LBW0284: A Learning Design Framework to Support Children with Learning Disabilities Incorporating Gamification Techniques

- Adel Shaban (*Teesside University, Middlesbrough, United Kingdom*)
- Elaine Pearson (*Teesside University, Middlesbrough, United Kingdom*)

Poster location: Board 8, Poster 5

LBW0285: Pseudo-haptic Controls for Mid-air Finger-based Menu Interaction

- Marco Speicher (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Jan Ehrlich (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Vito Gentile (*Università degli Studi di Palermo, Palermo, Italy*)
- Donald Degraen (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Salvatore Sorce (*Università degli Studi di Palermo, Palermo, Italy*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)

Poster location: Board 8, Poster 13

LBW0286: Relax Yourself - Using Virtual Reality to Enhance Employees' Mental Health and Work Performance

- Carolin Straßmann (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Sabrina C. Eimler (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Alexander Arntz (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Dustin Keßler (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Sarah Zielinski (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Gabriel Brandenburg (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Vanessa Dümpel (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Uwe Handmann (*University of Applied Sciences Ruhr West, Bottrop, Germany*)

Poster location: Board 8, Poster 6

LBW0287: Digital Doctors and Robot Receptionists: User Attributes that Predict Acceptance of Automation in Healthcare Facilities

- Andrew Gambino (*Penn State University, University Park, PA, USA*)
- Jinyoung Kim (*Penn State University, University Park, PA, USA*)
- S. Shyam Sundar (*Penn State University, University Park, PA, USA*)

Poster location: Board 8, Poster 7

LBW0288: Effects of Visual Enhancements and Delivery Time on Receptivity of Mobile Push Notifications

- Ravit Avraham Bahir (*Ben-Gurion University of the Negev, Beer Sheva, Israel*)
- Yisrael Parmet (*Ben-Gurion University of the Negev, Beersheva, Israel*)
- Noam Tractinsky (*Ben-Gurion University of the Negev, Beer Sheva, Israel*)

Poster location: Board 8, Poster 8

LBW0289: CooperationCaptcha: On-The-Fly Object Labeling for Highly Automated Vehicles

- Marcel Walch (*Ulm University, Ulm, Germany*)
- Mark Colley (*Ulm University, Ulm, Germany*)
- Michael Weber (*Ulm University, Ulm, Germany*)

Poster location: Board 8, Poster 9

LBW1821: SoundGlance: Briefing the Glimpseable Cues of Web Pages for Screen Reader Users

- Jaeyoon Song (*Seoul National University, Seoul, Republic of Korea*)
- Kiroong Choe (*Seoul National University, Seoul, Republic of Korea*)
- Jaemin Jo (*Seoul National University, Seoul, Republic of Korea*)
- Jinwook Seo (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 1, Poster 9

LBW2110: On-road Stress Analysis for In-car Interventions During the Commute

- Stephanie Balters (*Stanford University, Stanford, CA, USA*)
- Madeline Bernstein (*Stanford University, Stanford, CA, USA*)
- Pablo E. Paredes (*Stanford University, Stanford, CA, USA*)

Poster location: Board 1, Poster 11

LBW2111: On-road Guided Slow Breathing Interventions for Car Commuters

- Stephanie Balters (*Stanford University, Stanford, CA, USA*)
- James A. Landay (*Stanford University, Stanford, CA, USA*)
- Pablo E. Paredes (*Stanford University, Stanford, CA, USA*)

Poster location: Board 1, Poster 12

LBW2112: The Effect of Rotational Jitter on 3D Pointing Tasks

- Anil Ufuk Batmaz (*Simon Fraser University, Vancouver, Canada*)
- Wolfgang Stuerzlinger (*Simon Fraser University, Vancouver, Canada*)

Poster location: Board 1, Poster 13

LBW2113: Kirigami Keyboard: Inkjet Printable Paper Interface with Kirigami Structure Presenting Kinesthetic Feedback

- Zekun Chang (*The University of Tokyo, Bunkyo-ku, Japan*)
- Heeju Kim (*The University of Tokyo, Bunkyo-ku, Japan*)
- Kunihiro Kato (*The University of Tokyo, Tokyo, Japan*)
- Kazuya Saito (*Kyushu University, Minami-ku, Japan*)
- Tung D. Ta (*The University of Tokyo, Bunkyo-ku, Japan*)
- Weiwei Jiang (*The University of Tokyo, Tokyo, Japan*)
- Koya Narumi (*The University of Tokyo, Tokyo, Japan*)
- Yoshinobu Miyamoto (*Aichi Institute of Technology, Toyota-shi, Japan*)
- Yoshihiro Kawahara (*The University of Tokyo, Bunkyo-ku, Japan*)

Poster location: Board 1, Poster 14

LBW2114: A Left-Hand Advantage: Motor Asymmetry in Touchless Input

- Pantea Habibi (*University of Illinois at Chicago, Chicago, IL, USA*)
- Debaleena Chattopadhyay (*University of Illinois at Chicago, Chicago, IL, USA*)

Poster location: Board 1, Poster 15

LBW2115: Off-Surface Tangibles: Exploring the Design Space of Midair Tangible Interaction

- Christian Cherek (*RWTH Aachen University, Aachen, Germany*)
- David Asselborn (*RWTH Aachen University, Aachen, Germany*)
- Simon Voelker (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)

Poster location: Board 1, Poster 16

LBW2116: Overgrown: Supporting Plant Growth with an Endoskeleton for Ambient Notifications

- Donald Degraen (*Intel Visual Computing Institute (IVCI), Saarbrücken, Germany*)
- Felix Kosmalla (*German Research Center for Artificial Intelligence (DFKI), Saarbrücken, Germany*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarbrücken, Germany*)

Poster location: Board 8, Poster 14

LBW2117: Towards Data-Driven Sword Fighting Experiences in VR

- Javier Dehesa (*University of Bath, Bath, United Kingdom*)
- Andrew Vidler (*Ninja Theory Ltd, Cambridge, United Kingdom*)
- Christof Lutteroth (*University of Bath, Bath, United Kingdom*)
- Julian Padget (*University of Bath, Bath, United Kingdom*)

Poster location: Board 1, Poster 18

LBW2118: JeL: Connecting Through Breath in Virtual Reality

- John Desnoyers-Stewart (*Simon Fraser University, Vancouver, Canada*)
- Ekaterina R. Stepanova (*Simon Fraser University, Surrey, Canada*)
- Philippe Pasquier (*Simon Fraser University, Surrey, Canada*)
- Bernhard E. Riecke (*Simon Fraser University, Vancouver, Canada*)

Poster location: Board 1, Poster 19

LBW2119: Towards a Framework for Validating the Matching Between Notifications and Scents in Olfactory In-Car Interaction

- Dmitrijs Dmitrenko (*University of Sussex, Brighton, United Kingdom*)
- Emanuela Maggioni (*University of Sussex, Brighton, United Kingdom*)
- Marianna Obrist (*University of Sussex, Brighton, United Kingdom*)

Poster location: Board 1, Poster 20

LBW2120: Augmented Visuotactile Feedback Support Sensorimotor Synchronization Skill for Rehabilitation

- Feng Feng (*Queen Mary University of London, London, United Kingdom*)
- Tony Stockman (*Queen Mary University of London, London, United Kingdom*)

Poster location: Board 1, Poster 21

LBW2121: Modulating Personal Audio to Convey Information

- Jamie Ferguson (*University of Glasgow, Glasgow, United Kingdom*)
- Stephen Brewster (*University of Glasgow, Glasgow, United Kingdom*)

Poster location: Board 1, Poster 22

LBW2122: Designing a Mobile Game That Develops Emotional Resiliency in Indian Country

- Morgan Vigil-Hayes (*Northern Arizona University, Flagstaff, AZ, USA*)
- Ann Futterman Collier (*Northern Arizona University, Flagstaff, AZ, USA*)
- Giovanni Castillo (*Northern Arizona University, Flagstaff, AZ, USA*)
- Davona Blackhorse (*Northern Arizona University, Flagstaff, AZ, USA*)
- Nikole Awbery (*Northern Arizona University, Flagstaff, AZ, USA*)
- John-Paul Abraham (*Northern Arizona University, Flagstaff, AZ, USA*)

Poster location: Board 1, Poster 1

LBW2210: TurtleTalk: An Educational Programming Game for Children with Voice User Interface

- Hyunhoon Jung (*NAVER Clova AI, Seongnam-si, Republic of Korea*)
- Hee Jae Kim (*NAVER Clova AI, Seoul, Republic of Korea*)
- Seongeun So (*NAVER Clova AI, Seongnam, Republic of Korea*)
- Jinjoong Kim (*NAVER Clova AI, Seongnam, Republic of Korea*)
- Changhoon Oh (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 2, Poster 11

LBW2211: OrigamiSpeaker: Handcrafted Paper Speaker with Silver Nano-Particle Ink

- Kunihiko Kato (*The University of Tokyo, Bunkyo-ku, Japan*)
- Kazuya Saito (*Kyushu University, Minami-ku, Japan*)
- Yoshihiro Kawahara (*The University of Tokyo, Bunkyo-ku, Japan*)

Poster location: Board 2, Poster 12

LBW2212: 3DTactileDraw: A Tactile Pattern Design Interface for Complex Arrangements of Actuators

- Oliver Beren Kaul (*Leibniz University Hannover (LUH), Hannover, Germany*)
- Leonard Hansing (*Leibniz University Hannover (LUH), Hannover, Germany*)
- Michael Rohs (*Leibniz University Hannover (LUH), Hannover, Germany*)

Poster location: Board 2, Poster 13

LBW2213: Audio-visual AR to Improve Awareness of Hazard Zones Around Robots

- Ane San Martín (*IK4-TEKNIKER, Eibar, Spain*)
- Johan Kildal (*IK4-TEKNIKER, Eibar, Spain*)

Poster location: Board 2, Poster 14

LBW2214: First Steps Towards Walk-In-Place Locomotion and Haptic Feedback in Virtual Reality for Visually Impaired

- Julian Kreimeier (Nuremberg Institute of Technology, Nuremberg, Germany)
- Timo Götzelmann (Nuremberg Institute of Technology, Nuremberg, Germany)

Poster location: Board 2, Poster 15

LBW2215: FabAuth: Printed Objects Identification Using Resonant Properties of Their Inner Structures

- Yuki Kubo (Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan)
- Kana Eguchi (Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan)
- Ryosuke Aoki (Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan)
- Shigekuni Kondo (Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan)
- Shozo Azuma (Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan)
- Takuya Indo (Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan)

Poster location: Board 2, Poster 16

LBW2216: FingMag: Finger Identification Method for Smartwatch

- Keunwoo Park (Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea)
- Geehyuk Lee (Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea)

Poster location: Board 2, Poster 17

LBW2217: Improving Two-Thumb Touchpad Typing in Virtual Reality

- Jeongmin Son (Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea)
- Sunggeun Ahn (Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea)
- Sunbum Kim (Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea)
- Geehyuk Lee (Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea)

Poster location: Board 2, Poster 18

LBW2218: Chinese Character Learning System

- Yifan Yang (Zhejiang University, Hangzhou, China)
- Leijing Zhou (University of Nottingham Ningbo China, Ningbo, China)
- Rujian Li (Zhejiang University, Hangzhou, China)
- Hang Yao (Zhejiang University, Hangzhou, China)
- Jialu Song (Zhejiang University, Hangzhou, China)
- Fangtian Ying (Wuhan University of Technology, Wuhan, China)

Poster location: Board 2, Poster 19

LBW2219: "It sounds like she is sad": Introducing a Biosensing Prototype that Transforms Emotions into Real-time Music and Facilitates Social Interaction

- Xi Lu (Indiana University Bloomington, Bloomington, IN, USA)
- Xiaohang Liu (Indiana University Bloomington, Bloomington, IN, USA)
- Erik Stolterman Bergqvist (Indiana University Bloomington, Bloomington, IN, USA)

Poster location: Board 2, Poster 20

LBW2220: Vibrotactile Wristband for Warning and Guiding in Automated Vehicles

- Zhuoluo Ma (Beijing Institute of Technology, Beijing, China)
- Yue Liu (Beijing Institute of Technology & Beijing Film Academy, Beijing, China)
- Dejiang Ye (Beijing Institute of Technology, Beijing, Beijing, China)
- Lu Zhao (Beijing Institute of Technology, Beijing, Beijing, China)

Poster location: Board 2, Poster 21

LBW2221: Usability of Code Voting Modalities

- Karola Marky (Technische Universität Darmstadt, Darmstadt, Germany)
- Martin Schmitz (Technische Universität Darmstadt, Darmstadt, Germany)
- Felix Lange (Technische Universität Darmstadt, Darmstadt, Germany)
- Max Mühlhäuser (Technische Universität Darmstadt, Darmstadt, Germany)

Poster location: Board 2, Poster 22

LBW2222: Towards Augmenting IVR Communication with Physiological Sensing Data

- Ceenu George (LMU Munich, Munich, Germany)
- Mariam Hassib (Bundeswehr University of Munich & LMU Munich, Munich, Germany)

Poster location: Board 2, Poster 1

LBW2310: Byte.it: Discreet Teeth Gestures for Mobile Device Interaction

- Tomás Vega Gálvez (Massachusetts Institute of Technology, Cambridge, MA, USA)
- Shardul Sapkota (Massachusetts Institute of Technology, Cambridge, MA, USA)
- Alexandru Dancu (Singapore University of Design, Singapore, Singapore)
- Pattie Maes (Massachusetts Institute of Technology, Cambridge, MA, USA)

Poster location: Board 3, Poster 11

LBW2311: Alexa, Can You Help Us Solve This Problem? How Conversations With Smart Personal Assistant Tutors Increase Task Group Outcomes

- Rainer Winkler (University of St. Gallen, St. Gallen, Switzerland)
- Matthias Söllner (University of St. Gallen & University of Kassel, Kassel, Germany)
- Maya Lisa Neuweiler (University of St. Gallen, St. Gallen, Switzerland)
- Flavia Conti Rossini (University of St. Gallen, St. Gallen, Switzerland)
- Jan Marco Leimeister (University of St. Gallen, St. Gallen, Switzerland)

Poster location: Board 3, Poster 12

LBW2312: "Watch Out!": Semi-Autonomous Vehicles Using Assertive Voices to Grab Distracted Drivers' Attention

- Priscilla N. Y. Wong (UCL Interaction Centre, London, United Kingdom)
- Duncan P. Brumby (University College London, London, United Kingdom)

- Harsha Vardhan Ramesh Babu (*Ustwo, London, United Kingdom*)
- Kota Kobayashi (*Ustwo, London, United Kingdom*)

Poster location: Board 3, Poster 13

LBW2313: Bubble: Wearable Assistive Grasping Augmentation Based on Soft Inflatables

- Xinlei Zhang (*The University of Tokyo & Massachusetts Institute of Technology, Tokyo, Japan*)
- Ali Shtarbanov (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Jiani Zeng (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Valerie K. Chen (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- V. Michael Bove (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Pattie Maes (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Jun Rekimoto (*The University of Tokyo, Tokyo, Japan*)

Poster location: Board 3, Poster 14

LBW2314: Design and Evaluation of a Texture Rendering Method for Electrostatic Tactile Display

- Lu Zhao (*Beijing Institute of Technology, Beijing, China*)
- Yue Liu (*Beijing Institute of Technology & Beijing Film Academy, Beijing, China*)
- Zhuoluo Ma (*Beijing Institute of Technology, Beijing, China*)
- Yongtian Wang (*Beijing Institute of Technology & Beijing Film Academy, Beijing, China*)

Poster location: Board 3, Poster 15

LBW2315: Cognitive Aid: Task Assistance Based On Mental Workload Estimation

- Qiushi Zhou (*University of Melbourne, Melbourne, Australia*)
- Joshua Newn (*University of Melbourne, Parkville, Australia*)
- Namrata Srivastava (*University of Melbourne, Melbourne, Australia*)
- Tilman Dingler (*University of Melbourne, Melbourne, Australia*)
- Jorge Goncalves (*University of Melbourne, Melbourne, Australia*)
- Eduardo Velloso (*University of Melbourne, Melbourne, Australia*)

Poster location: Board 3, Poster 16

LBW2316: An Exploratory Study for Evaluating the Use of Floor Visualisations in Navigation Decisions

- Luluah Albarrak (*University of Bristol, Bristol, United Kingdom*)
- Oussama Metatla (*University of Bristol, Bristol, United Kingdom*)
- Anne Roudaut (*University of Bristol, Bristol, United Kingdom*)

Poster location: Board 3, Poster 17

LBW2317: The Challenges of Creating Engaging Content: Results from a Focus Group Study of a Popular News Media Organization

- Kholoud Khalil Aldous (*Hamad Bin Khalifa University, Doha, Qatar*)
- Jisun An (*Qatar Computing Research Institute & Hamad Bin Khalifa University, Doha, Qatar*)
- Bernard J. Jansen (*Qatar Computing Research Institute & Hamad Bin Khalifa University, Doha, Qatar*)

Poster location: Board 3, Poster 18

LBW2319: Navigating Uncertainty in the Future of Work: Information-Seeking and Critical Events Among Online Freelancers

- Allie Blaising (*California Polytechnic University, San Luis Obispo, CA, USA*)
- Yasmine Kotturi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Chinmay Kulkarni (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Poster location: Board 3, Poster 19

LBW2320: Human-Data Interaction in the Context of Care: Co-designing Family Civic Data Interfaces and Practices

- Alex Bowyer (*Newcastle University, Newcastle-upon-Tyne, United Kingdom*)
- Rob Wilson (*Northumbria University, Newcastle-upon-Tyne, United Kingdom*)
- Stuart Wheeler (*Arjuna Technologies, Newcastle-upon-Tyne, United Kingdom*)
- Matthew Snape (*Newcastle University, Newcastle-upon-Tyne, United Kingdom*)
- Kyle Montague (*Newcastle University, Newcastle upon Tyne, United Kingdom*)

Poster location: Board 3, Poster 20

LBW2321: Affective Assistants: A Matter of States and Traits

- Michael Braun (*BMW Group Research & LMU Munich, Garching, Germany*)
- Florian Alt (*Bundeswehr University Munich, Munich, Germany*)

Poster location: Board 3, Poster 21

LBW2322: Implicit User Calibration for Model-based Gaze-tracking System using Face Detection around Optical Axis of Eye

- Mamoru Hiroe (*Kobe University, Kobe, Japan*)
- Shogo Mitsunaga (*Kobe University, Kobe, Japan*)
- Takashi Nagamatsu (*Kobe University, Kobe, Japan*)

Poster location: Board 3, Poster 1

LBW2410: "I Have a Life": Teacher Communication & Management Outside the Classroom

- Serena Hillman (*SMART Technologies, Seattle, WA, USA*)
- Alexandra Hillman (*SMART Technologies, Seattle, WA, USA*)
- Carman Neustaedter (*Simon Fraser University, Surrey, Canada*)
- Carolyn Pang (*McGill University, Montreal, Canada*)

Poster location: Board 4, Poster 11

LBW2411: Modeling Error Rates in Spatiotemporal Moving Target Selection

- Jin Huang (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Byungjoo Lee (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 4, Poster 12

LBW2412: Trajectory Prediction Model for Crossing-Based Target Selection

- Hao Zhang (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)

- Jin Huang (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Feng Tian (*Institute of software, Chinese Academy of Sciences, Beijing, China*)

Poster location: Board 4, Poster 13

LBW2413: It Sounds Like A Woman: Exploring Gender Stereotypes in South Korean Voice Assistants

- Gilhwan Hwang (*Seoul National University, Seoul, Republic of Korea*)
- Jeewon Lee (*Seoul National University, Seoul, Republic of Korea*)
- Cindy Yoonjung Oh (*Seoul National University, Seoul, Republic of Korea*)
- Joonhwan Lee (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 4, Poster 14

LBW2414: Is Seeing Believing? The Effect of Morphological Congruent Visual Feedback on Mediated Touch Experience

- Sima Ipakchian Askari (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Antal Haans (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Wijnand A. IJsselsteijn (*Eindhoven University of Technology, Eindhoven, Netherlands*)

Poster location: Board 4, Poster 15

LBW2415: Personal Safety App Effectiveness

- Mike Just (*Heriot-Watt University, Edinburgh, United Kingdom*)
- Hasmeet Chandok (*Dalhousie University, Halifax, Canada*)
- Raghav Sampangi (*Dalhousie University, Halifax, Canada*)
- Kirstie Hawkey (*Dalhousie University, Halifax, Canada*)
- Alette Willis (*University of Edinburgh, Edinburgh, United Kingdom*)
- JeyaBalaji Samuthiravelu (*Dalhousie University, Halifax, Canada*)
- Dilpreet Gill (*Dalhousie University, Halifax, Canada*)
- Michael Altair (*Dalhousie University, Halifax, Canada*)

Poster location: Board 4, Poster 16

LBW2416: Perception of Emotion in Body Expressions from Gaze Behavior

- Andrea Kleinsmith (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Azin Semsar (*University of Maryland, Baltimore County, Baltimore, MD, USA*)

Poster location: Board 4, Poster 17

LBW2417: Public Speaking Anxiety in a Real Classroom: Towards Developing a Reflection System

- Heera Lee (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Andrea Kleinsmith (*University of Maryland, Baltimore County, Baltimore, MD, USA*)

Poster location: Board 4, Poster 18

LBW2418: (Over)Trust in Automated Driving: The Sleeping Pill of Tomorrow?

- Thomas Kundinger (*AUDI AG & Technische Hochschule Ingolstadt, Ingolstadt, Germany*)
- Philipp Wintersberger (*Technische Hochschule Ingolstadt & Johannes Kepler University, Ingolstadt, Germany*)
- Andreas Riener (*Technische Hochschule Ingolstadt & Johannes Kepler University, Ingolstadt, Germany*)

Poster location: Board 4, Poster 19

LBW2419: Infrastructure vs. Community: Co-spaces Confront Digital Nomads' Paradoxical Needs

- Ahreum Lee (*Purdue University, West Lafayette, IN, USA*)
- Austin L. Toombs (*Purdue University, West Lafayette, IN, USA*)
- Ingrid Erickson (*Syracuse University, New York, NY, USA*)

Poster location: Board 4, Poster 20

LBW2420: Cognitive Learning: How to Become William Shakespeare

- Xiaotong Liu (*IBM Research - Almaden, San Jose, CA, USA*)
- Anbang Xu (*IBM Research - Almaden, San Jose, CA, USA*)
- Zhe Liu (*IBM Almaden Research Center, San Jose, CA, USA*)
- Yufan Guo (*IBM Research - Almaden, San Jose, CA, USA*)
- Rama Akkiraju (*IBM Research - Almaden, San Jose, CA, USA*)

Poster location: Board 4, Poster 21

LBW2421: The Helpless Soft Robot - Stimulating Human Collaboration through Robotic Movement

- Anna Dagmar Bille Milthers (*Aalborg University, Aalborg, Denmark*)
- Anne Bjerre Hammer (*Aalborg University, Aalborg, Denmark*)
- Jonathan Jung Johansen (*Aalborg University, Aalborg, Denmark*)
- Lasse Goul Jensen (*Aalborg University, Aalborg, Denmark*)
- Elizabeth Ann Jochum (*Aalborg University, Aalborg, Denmark*)
- Markus Löchtefeld (*Aalborg University, Aalborg, Denmark*)

Poster location: Board 4, Poster 22

LBW2422: Should an Agent Be Ignoring It? A Study of Verbal Abuse Types and Conversational Agents' Response Styles

- Hyojin Chin (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Mun Yong Yi (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 4, Poster 1

LBW2510: A Gaze-Based Exploratory Study on the Information Seeking Behavior of Developers on Stack Overflow

- Cole S. Peterson (*University of Nebraska - Lincoln, Lincoln, NE, USA*)
- Jonathan A. Saddler (*University of Nebraska - Lincoln, Lincoln, NE, USA*)
- Natalie M. Halavick (*Purdue University, West Lafayette, IN, USA*)
- Bonita Sharif (*University of Nebraska - Lincoln, Lincoln, NE, USA*)

Poster location: Board 5, Poster 11

LBW2511: Supporting Data Workers To Perform Exploratory Programming

- Krishna Subramanian (*RWTH Aachen University, Aachen, Germany*)

- Ilya Zubarev (*RWTH Aachen University, Aachen, Germany*)
- Simon Völker (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)

Poster location: Board 5, Poster 12

LBW2512: Where in the Cloud is my Data? Location and Brand Effects on Trust in Cloud Services

- S. Shyam Sundar (*Penn State University, University Park, PA, USA*)
- Jinyoung Kim (*Penn State University, University Park, PA, USA*)
- Eugene Cho (*Penn State University, University Park, PA, USA*)

Poster location: Board 5, Poster 13

LBW2513: Acceptance of Self-Driving Cars: Does Their Posthuman Ability Make Them More Eerie or More Desirable?

- Andrew Gambino (*Penn State University, University Park, PA, USA*)
- S. Shyam Sundar (*Penn State University, University Park, PA, USA*)

Poster location: Board 5, Poster 14

LBW2514: Configuring Personal Data for a Quantified-Self Archive

- Ciaran B. Trace (*University of Texas at Austin, Austin, TX, USA*)
- Yan Zhang (*University of Texas at Austin, Austin, TX, USA*)

Poster location: Board 5, Poster 15

LBW2515: Towards a Typology of Self-Tracking Gaps

- Ciaran B. Trace (*University of Texas at Austin, Austin, TX, USA*)
- Yan Zhang (*University of Texas at Austin, Austin, TX, USA*)

Poster location: Board 5, Poster 16

LBW2516: Information-theoretic Sensorimotor Foundations of Fitts' Law

- Dari Trendafilov (*Johannes Kepler University, Linz, Austria*)
- Daniel Polani (*University of Hertfordshire, Hatfield, United Kingdom*)

Poster location: Board 5, Poster 17

LBW2517: Discovering Users for Technical Innovations through Systematic Matchmaking

- Bart van Dijk (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- John Zimmerman (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Poster location: Board 5, Poster 18

LBW2518: Using Reinforced Implementation Intentions to Support Habit Formation

- Adhi Wicaksono (*University of Birmingham, Birmingham, United Kingdom*)
- Robert J. Hendley (*University of Birmingham, Birmingham, United Kingdom*)
- Russell Beale (*University of Birmingham, Birmingham, United Kingdom*)

Poster location: Board 5, Poster 19

LBW2519: Modeling Drone Pointing Movement with Fitts' Law

- Kaito Yamada (*Meiji University, Nakano, Japan*)
- Hiroki Usuba (*Meiji University, Nakano, Japan*)
- Homei Miyahita (*Meiji University, Tokyo, Japan*)

Poster location: Board 5, Poster 20

LBW2520: Using Screenshots to Predict Task Switching on Smartphones

- Xiao Yang (*Pennsylvania State University, University Park, PA, USA*)
- Nilam Ram (*Pennsylvania State University, University Park, PA, USA*)
- Thomas Robinson (*Stanford University, Stanford, CA, USA*)
- Byron Reeves (*Stanford University, Stanford, CA, USA*)

Poster location: Board 5, Poster 21

LBW2521: Understanding Social Costs in Online Question Asking

- Haiwei Ma (*University of Minnesota, Minneapolis, MN, USA*)
- Bowen Yu (*University of Minnesota, Minneapolis, MN, USA*)
- Hao Fei Cheng (*University of Minnesota, Minneapolis, MN, USA*)
- Haiyi Zhu (*University of Minnesota, Minneapolis, MN, USA*)

Poster location: Board 5, Poster 22

LBW2522: fNIRS and Neurocinematics

- Horia A. Maior (*University of Nottingham, Nottingham, United Kingdom*)
- Richard Ramchurn (*University of Nottingham, Nottingham, United Kingdom*)
- Sarah Martindale (*University of Nottingham, Nottingham, United Kingdom*)
- Ming Cai (*University of Nottingham, Nottingham, United Kingdom*)
- Max L. Wilson (*University of Nottingham, Nottingham, United Kingdom*)
- Steve Benford (*University of Nottingham, Nottingham, United Kingdom*)

Poster location: Board 5, Poster 1

LBW2610: Tell Me What You Know: GDPR Implications on Designing Transparency and Accountability for News Recommender Systems

- Luciana Monteiro Krebs (*UFRGS, Porto Alegre, Brazil*)
- Oscar Luis Alvarado Rodriguez (*KU Leuven, Leuven, Belgium*)
- Pierre Dewitte (*KU Leuven, Leuven, Belgium*)
- Jef Ausloos (*University of Amsterdam, Amsterdam, Netherlands*)
- David Geerts (*KU Leuven, Leuven, Belgium*)
- Laurens Naudts (*KU Leuven, Leuven, Belgium*)
- Katrien Verbert (*KU Leuven, Leuven, Belgium*)

Poster location: Board 6, Poster 10

LBW2611: "Woe is me": Examining Older Adults' Perceptions of Privacy

- Hirak Ray (*University of Maryland, Baltimore County, Baltimore, MD, USA*)

- Flynn Wolf (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Ravi Kuber (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Adam J. Aviv (*United States Naval Academy, Annapolis, MD, USA*)

Poster location: Board 6, Poster 11

LBW2612: Security Patterns for Webdesign: a Hierarchical Structure Approach

- Alexander G. Mirnig (*University of Salzburg, Salzburg, Austria*)
- Artur Lupp (*University of Salzburg, Salzburg, Austria*)
- Alexander Meschtscherjakov (*University of Salzburg, Salzburg, Austria*)
- Eleni Economidou (*University of Salzburg, Salzburg, Austria*)
- Manfred Tscheligi (*University of Salzburg & AIT, Salzburg & Vienna, Austria*)

Poster location: Board 6, Poster 12

LBW2613: Towards Better Security Decisions: Applying Prospect Theory to Cybersecurity

- Leilei Qu (*Renmin University of China, Beijing, China*)
- Cheng Wang (*Renmin University of China, Beijing, China*)
- Ruojin Xiao (*Renmin University of China, Beijing, China*)
- Jianwei Hou (*Renmin University of China, Beijing, China*)
- Wenchang Shi (*Renmin University of China, Beijing, China*)
- Bin Liang (*Renmin University of China, Beijing, China*)

Poster location: Board 6, Poster 13

LBW2614: UltraSonic Watch: Seamless Two-Factor Authentication through Ultrasound

- Dimitra Zarafeta (*University of Patras, Patras, Greece*)
- Christina Katsini (*University of Patras, Patras, Greece*)
- George E. Raptis (*University of Patras, Patras, Greece*)
- Nikolaos M. Avouris (*University of Patras, Patra, Greece*)

Poster location: Board 6, Poster 14

LBW2615: VRIA - A Framework for Immersive Analytics on the Web

- Peter W. S. Butcher (*University of Chester, Chester, United Kingdom*)
- Nigel W. John (*University Of Chester, Chester, United Kingdom*)
- Panagiotis D. Ritsos (*Bangor University, Bangor, United Kingdom*)

Poster location: Board 6, Poster 15

LBW2616: Online Privacy in Public Places: How do Location, Terms and Conditions and VPN Influence Disclosure?

- Maria D. Molina (*Pennsylvania State University, University Park, PA, USA*)
- Andrew Gambino (*Pennsylvania State University, University Park, PA, USA*)
- S. Shyam Sundar (*Pennsylvania State University, University Park, PA, USA*)

Poster location: Board 6, Poster 16

LBW2617: Exploring Parallel Coordinates Plots in Virtual Reality

- Slawomir Konrad Tadeja (*University of Cambridge, Cambridge, United Kingdom*)
- Timoleon Kipouros (*University of Cambridge, Cambridge, United Kingdom*)
- Per Ola Kristensson (*University of Cambridge, Cambridge, United Kingdom*)

Poster location: Board 6, Poster 17

LBW2618: An Observational Investigation of Reverse Engineers' Process and Mental Models

- Daniel Votipka (*University of Maryland, College Park, MD, USA*)
- Seth Rabin (*University of Maryland, College Park, MD, USA*)
- Kristopher Micinski (*Haverford College, Haverford, PA, USA*)
- Jeffrey S. Foster (*Tufts University, Medford, MA, USA*)
- Michelle L. Mazurek (*University of Maryland, College Park, MD, USA*)

Poster location: Board 6, Poster 18

LBW2619: Exploring the Impact of Network Impairments on Remote Collaborative Augmented Reality Applications

- Tooba Ahsen (*Tufts University, Medford, MA, USA*)
- Fahad R. Dogar (*Tufts University, Medford, MA, USA*)
- Aaron L. Gardony (*CCDC - Soldier Center & CABCS, Medford, MA, USA*)

Poster location: Board 6, Poster 19

LBW2620: Paired Conversational Agents for Easy-to-Understand Instruction

- Wataru Akahori (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)
- Asuka Miyake (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)
- Hiroaki Sugiyama (*Nippon Telegraph and Telephone Corporation, Kyoto, Japan*)
- Masahiro Watanabe (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)
- Hiroya Minami (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)

Poster location: Board 6, Poster 20

LBW2621: Wizard of Oz Prototyping for Machine Learning Experiences

- Jacob T. Browne (*Twickle, San Diego, CA, USA*)

Poster location: Board 6, Poster 21

LBW2622: Gender Effects on Collaborative Online Brainstorming Teamwork

- Chien Wen (Tina) Yuan (*Fu Jen University, New Taipei City, Taiwan Roc*)
- Yu-Hsuan Liu (*National Tsing Hua University, Hsin-Chu, Taiwan Roc*)
- Hao-Chuan Wang (*University of California, Davis, Davis, CA, USA*)
- Yuan-Chi Tseng (*National Tsing Hua University, Hsin-Chu, Taiwan Roc*)

Poster location: Board 6, Poster 1

LBW2710: Virtual Observation of Virtual Reality Simulations

- Scott Ronald Howie (*University of the West of Scotland, Paisley, United Kingdom*)
- Marco Gilardi (*University of the West of Scotland, Paisley, United Kingdom*)

Poster location: Board 7, Poster 11

LBW2711: On How Users Edit Computer-Generated Visual Stories

- Ting-Yao Hsu (*Pennsylvania State University, State College, PA, USA*)
- Yen-Chia Hsu (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Ting-Hao (Kenneth) Huang (*Pennsylvania State University, University Park, PA, USA*)

Poster location: Board 7, Poster 12

LBW2712: Proximo or How to Evaluate User Experience for People with Dementia

- Stephan Huber (*Julius-Maximilians-Universität, Würzburg, Germany*)
- Alexander Bejan (*Furtwangen University, Furtwangen, Germany*)
- Beate Radzey (*Demenz Support Stuttgart gGmbH, Stuttgart, Germany*)
- Jörn Hurtienne (*Julius-Maximilians-Universität, Würzburg, Germany*)

Poster location: Board 7, Poster 13

LBW2713: Creating Manageable Persona Sets from Large User Populations

- Bernard J. Jansen (*Hamad Bin Khalifa University, Doha, Qatar*)
- Soon-gyo Jung (*Hamad Bin Khalifa University, Doha, Qatar*)
- Joni Salminen (*Hamad Bin Khalifa University, Doha, Qatar*)

Poster location: Board 7, Poster 14

LBW2714: Personas Changing Over Time: Analyzing Variations of Data-Driven Personas During a Two-Year Period

- Soon-gyo Jung (*Hamad Bin Khalifa University, Doha, Qatar*)
- Joni Salminen (*Hamad Bin Khalifa University, Doha, Qatar*)
- Bernard J. Jansen (*Hamad Bin Khalifa University, Doha, Qatar*)

Poster location: Board 7, Poster 15

LBW2715: Exploring Effects of Conversational Fillers on User Perception of Conversational Agents

- Yuin Jeong (*Yonsei University, Seoul, Republic of Korea*)
- Juho Lee (*Yonsei University, Seoul, Republic of Korea*)
- Younah Kang (*Yonsei University, Seoul, Republic of Korea*)

Poster location: Board 7, Poster 16

LBW2716: The Effectiveness of Nudging in Commercial Settings and Impact on User Trust

- Katarzyna Katner (*City, University of London, London, United Kingdom*)
- Radu Jianu (*City, University of London, London, United Kingdom*)

Poster location: Board 7, Poster 17

LBW2717: Tell Me More: Understanding User Interaction of Smart Speaker News Powered by Conversational Search

- Hyunhoon Jung (*NAVER Clova AI, Seongnam-si, Republic of Korea*)
- Changhoon Oh (*Seoul National University, Seoul, Republic of Korea*)
- Gilhwan Hwang (*Seoul National University, Seoul, Republic of Korea*)
- Cindy Yoonjung Oh (*Seoul National University, Seoul, Republic of Korea*)
- Joonhwan Lee (*Seoul National University, Seoul, Republic of Korea*)
- Bongwon Suh (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 7, Poster 18

LBW2718: Cross-study Reliability of the Open Card Sorting Method

- Christos Katsanos (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Nikolaos Tselios (*University of Patras, Patras, Greece*)
- Nikolaos Avouris (*University of Patras, Patras, Greece*)
- Stavros Demetriadis (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Ioannis Stamelos (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Lefteris Angelis (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)

Poster location: Board 7, Poster 19

LBW2719: Synaesthetic-Translation Tool: Synaesthesia as an Interactive Material for Ideation

- Chang Hee Lee (*Royal College of Art, London, United Kingdom*)
- Dan Lockton (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- John Stevens (*Royal College of Art, London, United Kingdom*)
- Stephen Jia Wang (*Royal College of Art, London, United Kingdom*)
- SungHee Ahn (*Hongik University, Sejong City, Republic of Korea*)

Poster location: Board 7, Poster 20

LBW2720: How Performing an Activity Makes Meaning

- Eva Lenz (*University of Siegen, Siegen, Germany*)
- Marc Hassenzahl (*University of Siegen, Siegen, Germany*)
- Sarah Diefenbach (*Ludwig-Maximilians-University Munich, Munich, Germany*)

Poster location: Board 7, Poster 21

LBW2721: Effect of Personality Traits on UX Evaluation Metrics: A Study on Usability Issues, Valence-Arousal and Skin Conductance

- Alexandros Liapis (*Hellenic Open University, Patra, Greece*)
- Christos Katsanos (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Michalis Xenos (*University of Patras, Patras, Greece*)
- Theofanis Orphanoudakis (*Hellenic Open University, Patra, Greece*)

Poster location: Board 7, Poster 22

LBW2722: Creating Positive Experiences with Digital Companions

- Michael Burmester (*Stuttgart Media University, Stuttgart, Germany*)
- Katharina Zeiner (*Siemens AG & Stuttgart Media University, Munich, Germany*)
- Katharina Schippert (*Stuttgart Media University & IBM Design Studio Böblingen, Böblingen, Germany*)
- Axel Platz (*Siemens AG, Munich, Germany*)

Poster location: Board 7, Poster 1

LBW2810: Minimalistic Explanations: Capturing the Essence of Decisions

- Martin Schuessler (*Technische Universität Berlin & Weizenbaum Institut, Berlin, Germany*)
- Philipp Weiß (*Technische Universität Berlin & Weizenbaum Institut, Berlin, Germany*)

Poster location: Board 8, Poster 10

LBW2811: Studying User Experience of a Hybrid Location Sensing System

- Yun Huang (*Syracuse University, Syracuse, NY, USA*)
- Yisi Sang (*Syracuse University, Syracuse, NY, USA*)
- Qunfang Wu (*Syracuse University, Syracuse, NY, USA*)
- Yaxing Yao (*Syracuse University, Syracuse, NY, USA*)

Poster location: Board 8, Poster 11

LBW2812: Effects of Influence on User Trust in Predictive Decision Making

- Jianlong Zhou (*University of Technology Sydney, Sydney, Australia*)
- Zhidong Li (*University of Technology Sydney, Sydney, Australia*)
- Huaiwen Hu (*DATA61, CSIRO, Sydney, Australia*)
- Kun Yu (*University of Technology Sydney, Sydney, Australia*)
- Fang Chen (*University of Technology Sydney, Sydney, Australia*)
- Zelin Li (*DATA61, CSIRO, Sydney, Australia*)
- Yang Wang (*University of Technology Sydney, Sydney, Australia*)

Poster location: Board 8, Poster 12

LBW2822: Do We Need Natural Language? Exploring Restricted Language Interfaces for Complex Domains

- Jesse Mu (*Stanford University, Stanford, CA, USA*)
- Advait Sarkar (*Microsoft Research, Cambridge, United Kingdom*)

Poster location: Board 8, Poster 1

Miscellaneous: Speaker prep room

Wednesday - 10:20 - 11:00 Room: Efive

Competition: Student Design Competition

Wednesday - 10:20 - 11:00 Room: Hall 4

SDC01: NeighBoard: Facilitating Community Policing with Embodied Tech Design

- Crystal Compton (*University of Minnesota, Saint Paul, MN, USA*)
- Ellen Dupler (*University of Minnesota, Minneapolis, MN, USA*)
- J. Walter Lee (*University of Minnesota, Saint Paul, MN, USA*)

SDC02: Co ed: A Classroom Setup for Enhancing Cooperative Learning and Digital Literacy

- Anand Kishore (*National Institute of Design, Gandhinagar, India*)
- Cletus V. Joseph (*National Institute of Design, Gandhinagar, India*)
- Lamha Bijili (*National Institute of Design, Gandhinagar, India*)
- Md. Aasif Anwar (*National Institute of Design, Gandhinagar, India*)
- Urvi (*National Institute of Design, Gandhinagar, India*)

SDC03: Drawxi: An Accessible Drawing Tool for Collaboration

- Suraj Chiplunkar (*Indiana University, Bloomington, IN, USA*)
- Anany Maini (*Indiana University, Bloomington, IN, USA*)
- Dinesh Ram (*Indiana University, Bloomington, IN, USA*)
- Zixuan Zheng (*Indiana University, Bloomington, IN, USA*)
- Yaxin Zheng (*Indiana University Bloomington, Bloomington, IN, USA*)

SDC04: Shadoji: View Body Shapes from a Different Angle

- Xuan Jin (*University of Michigan, Ann Arbor, MI, USA*)
- Peipei Nie (*University of Michigan, Ann Arbor, MI, USA*)
- Xizi Wang (*University of Michigan, Ann Arbor, MI, USA*)
- Zhuo Wang (*University of Michigan, Ann Arbor, MI, USA*)
- Chunying Zhang (*University of Michigan, Ann Arbor, MI, USA*)

SDC05: Give Me a Break: Design for Communication Among Family Caregivers and Respite Caregivers

- Flannery Currin (*Earlham College, Richmond, IN, USA*)
- Gustavo Razo (*University of California, Merced, Merced, CA, USA*)
- Aehong Min (*Indiana University Bloomington, Bloomington, IN, USA*)

SDC06: Amor: Supporting Emerging Adult Couples to Manage Finances for a Common Goal

- Mintra Ruensuk (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
- Jayeong Yoon (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
- Cho eun Park (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)

SDC07: SENTI? Reconnect with Yourself to Better Connect with Others

- Audrey Drolet (*Université Laval, Québec, Canada*)
- Thomas Lemonde-Marzell (*Université Laval, Québec, Canada*)
- Pablo Matos Da Silva (*Université Laval, Québec, Canada*)
- Kim Lamontagne (*Université Laval, Québec, Canada*)
- Marjorie Bédard (*Université Laval, Québec, Canada*)

SDC08: Haptic Remembrance Book Series

- Elaine Czech (*Keio University, Yokohama, Japan*)
- Mina Shibasaki (*Keio University, Yokohama, Japan*)
- Keitaro Tsuchiya (*Keio University, Yokohama, Japan*)

SDC09: HelloBox: Creating Safer and Kid-friendly Communities

- Tab Zhang (*University of Minnesota, Minneapolis, MN, USA*)
- Yongle Zhang (*University of Minnesota, Minneapolis, MN, USA*)

- Leyi Sun (*University of Minnesota, Minneapolis, MN, USA*)
 - Lily Dunk (*University of Minnesota, Minneapolis, MN, USA*)
 - SDC10: HearU: An Integrated System to Raise Awareness of Hearing Loss**
 - Beijia Wang (*University of Washington, Seattle, WA, USA*)
 - Mengxiao Song (*University of Washington, Seattle, WA, USA*)
 - Yuting Han (*University of Washington, Seattle, WA, USA*)
 - Duo Wang (*University of Washington, Seattle, WA, USA*)
 - SDC11: PALS: Patching ALS through Crowdsourced Advice, Social Links & Public Awareness**
 - Richard Cave (*University College London, London, United Kingdom*)
 - Karina Kocemba (*University College London, London, United Kingdom*)
 - Svjetlana Dajic (*University College London, London, United Kingdom*)
 - Holloe Bostock (*University College London, London, United Kingdom*)
 - Alastair Cook (*University College London, London, United Kingdom*)
 - SDC12: TechBuddies: Engaging Students to Teach Retirees about Technology**
 - Jim Philippe Neussl (*University College London, London, United Kingdom*)
 - Rebecca Zheng (*University College London, London, United Kingdom*)
 - George Hanson (*University College London, London, United Kingdom*)
 - Boyin Yang (*University College London, London, United Kingdom*)
- Competition: Student Research Competition
 Wednesday - 10:20 - 11:00 Room: Hall 4
- SRC01: Can Changes in Heart Rate Variability Represented in Sound be Identified by Non-Medical Experts?**
 - Mariam Bahameish (*Queen Mary University of London, London, United Kingdom*)
 - SRC02: Muse: Scaffolding Metacognitive Reflection in Design-Based Research**
 - Victoria Cabales (*Northwestern University, Evanston, IL, USA*)
 - SRC03: Guidelines for Combining Storytelling and Gamification: Which Features Would Teenagers Desire to Have a More Enjoyable Museum Experience?**
 - Vanessa Cesário (*University of Porto & Madeira Interactive Technologies Institute, Funchal, Portugal*)
 - SRC04: Understanding the Occupational Therapists Method to Inform the Design of Technologies for People with Dementia**
 - Emma Dixon (*University of Maryland, College Park, College Park, MD, USA*)
 - SRC05: Lake: A Digital Wizard of Oz Prototyping Tool**
 - Andrew Finke (*Northwestern University, Evanston, IL, USA*)
 - SRC06: Automatic Speech Recognition Services: Deaf and Hard-of-Hearing Usability**
 - Abraham Glasser (*Rochester Institute of Technology, Rochester, NY, USA*)
 - SRC07: Affordable Smart Wheelchair**
 - Isabella Gomez Torres (*University of California, San Diego, San Diego, CA, USA*)
 - Gaurav Parmar (*University of California, San Diego, San Diego, CA, USA*)
 - Sammarth Aggarwal (*University of California, San Diego, San Diego, CA, USA*)
 - Nathaniel Mansur (*University of California, San Diego, San Diego, CA, USA*)
 - Alec Guthrie (*University California, San Diego, San Diego, CA, USA*)
 - SRC08: Math Graphs for the Visually Impaired: Audio Presentation of Elements of Mathematical Graphs**
 - Jeongyeon Kim (*Sogang University, Seoul, Republic of Korea*)
 - Yoonah Lee (*Sogang University, Seoul, Republic of Korea*)
 - Inho Seo (*Sogang University, Seoul, Republic of Korea*)
 - SRC09: I Am What You Eat: Effects of Social Influence on Meal Selection Online**
 - Maria D. Molina (*Pennsylvania State University, University Park, PA, USA*)
 - SRC10: Designing Compassion Cultivating Interactions for New Mothers**
 - Annu Sible Prabhakar (*University of Cincinnati & Indiana University, Cincinnati, OH, USA*)
 - SRC11: Family-Centered Exploration of the Benefits and Burdens of Digital Home Assistants**
 - Olivia K. Richards (*Pennsylvania State University, University Park, PA, USA*)
 - SRC12: Privacy Therapy with Aretha: What If Your Firewall Could Talk?**
 - William Seymour (*University of Oxford, Oxford, United Kingdom*)
 - SRC13: ParaXplore: Demystifying the Exploration of Large Design Spaces**
 - Naghmi Shireen (*Simon Fraser University, Surrey, Canada*)
 - SRC14: Sense of Familiarity: Improving Older Adults' Adaptation to Exergames**
 - Hao Zhang (*Nanyang Technological University, Singapore, Singapore*)
 - SRC15: GPK: An Efficient Special Symbol Input Method for Keyboards**
 - Xiyuan He (*Zhejiang University, Hangzhou, China*)
 - Zhuohao Zhang (*Zhejiang University, Hangzhou, China*)

Wednesday - 11:00 - 12:20

Case study session: Children and Learning

Wednesday - 11:00 - 12:20

Room: Argyll 1 CROWNE

Chair: Hadas Erel

Young Children's Reading and Learning with Conversational Agents

- Ying Xu (*University of California, Irvine, Irvine, CA, USA*)
- Mark Warschauer (*University of California, Irvine, Irvine, CA, USA*)

Teaching Data Visualization and Storytelling with Data Comic Workshops

- Zezhong Wang (*University of Edinburgh, Edinburgh, United Kingdom*)
- Harvey Dingwall (*University of Edinburgh, Edinburgh, United Kingdom*)
- Benjamin Bach (*Edinburgh University, Edinburgh, United Kingdom*)

Children's Reflection in Action with DIY

- Silvia Torsi (*Università di Bari "Aldo Moro", Bari, Italy*)

- Loredana Verardi (*Università di Bari "Aldo Moro", Bari, Italy*)
- Carmelo Ardito (*Università di Bari "Aldo Moro", Bari, Italy*)

Effects of Participatory Evaluation – A Critical Actor-Network Analysis

- Katta Spiel (*TU Wien, Vienna, Austria*)
- Christopher Frauenberger (*TU Wien, Vienna, Austria*)
- Geraldine Fitzpatrick (*TU Wien, Vienna, Austria*)
- Eva Hornecker (*Bauhaus-Universität Weimar, Weimar, Germany*)

Course: Computational Interaction with Bayesian Methods

Wednesday - 11:00 - 12:20 Room: Argyll 2 CROWNE

Computational Interaction with Bayesian Methods

- Per Ola Kristensson (*University of Cambridge, Cambridge, United Kingdom*)
- Nikola Banovic (*University of Michigan, Ann Arbor, MI, USA*)
- Antti Oulasvirta (*Aalto University, Helsinki, Finland*)
- John Williamson (*University of Glasgow, Glasgow, United Kingdom*)

Course: Designing with the Mind in Mind: The Psychological Basis for UI Design Guidelines

Wednesday - 11:00 - 12:20 Room: Argyll 3 CROWNE

Designing with the Mind in Mind: The Psychological Basis for UI Design Guidelines

- Jeff A. Johnson (*University of San Francisco, San Francisco, CA, USA*)

Course: Avoiding and Mitigating Ethical Traps in Technocentric Fieldwork

Wednesday - 11:00 - 12:20 Room: Castle 1 CROWNE

Avoiding and Mitigating Ethical Traps in Technocentric Fieldwork

- Cosmin Munteanu (*University of Toronto Mississauga, Mississauga, Canada*)
- Roisin McNaney (*Bristol University, Bristol, United Kingdom*)
- Jenny Waycott (*The University of Melbourne, Melbourne, Australia*)

Course: Building Economic Models of Human Computer Interaction

Wednesday - 11:00 - 12:20 Room: Castle 2 CROWNE

Building Economic Models of Human Computer Interaction

- Leif Azzopardi (*University of Strathclyde, Glasgow, United Kingdom*)
- Guido Zuccon (*University of Queensland, Brisbane, Australia*)

Course: Tangible Ecosystem Design - Developing Disruptive Services for Digital Ecosystems

Wednesday - 11:00 - 12:20 Room: Castle 3 CROWNE

Tangible Ecosystem Design – Developing Disruptive Services for Digital Ecosystems

- Claudia Nass Bauer (*Fraunhofer IESE, Kaiserslautern, Germany*)
- Marcus Trapp (*Fraunhofer IESE, Kaiserslautern, Germany*)

Miscellaneous: Speaker prep room

Wednesday - 11:00 - 12:20 Room: Etime

Speaker preparation room

Paper session: Perceptions and Deceptions in Visualization

Wednesday - 11:00 - 12:20 Room: Hall 2

Chair: Diyi Yang

A Lie Reveals the Truth: Quasimodes for Task-Aligned Data Presentation

- Jacob Ritchie (*University of Toronto, Toronto, Canada*)
- Daniel Wigdor (*University of Toronto, Toronto, Canada*)
- Fanny Chevalier (*University of Toronto, Toronto, Canada*)

Trust and Recall of Information across Varying Degrees of Title-Visualization Misalignment

- Ha-Kyung Kong (*University of Illinois at Urbana-Champaign, Urbana, IL, USA*)
- Zhicheng Liu (*Adobe Research, Seattle, WA, USA*)
- Karrie Karahalios (*Adobe Research & University of Illinois at Urbana-Champaign, Urbana, IL, USA*)

Ethical Dimensions of Visualization Research Honourable Mention

- Michael Correll (*Tableau Research, Seattle, WA, USA*)

Put Your Warning Where Your Link Is: Improving and Evaluating Email Phishing Warnings Honourable Mention

- Justin Petelka (*University of Washington, Seattle, WA, USA*)
- Yixin Zou (*University of Michigan, Ann Arbor, MI, USA*)
- Florian Schaub (*University of Michigan, Ann Arbor, MI, USA*)

Paper session: UX Methods

Wednesday - 11:00 - 12:20 Room: Forth

Chair: Elizabeth Buie

Pictorial System Usability Scale (P-SUS): Developing an Instrument for Measuring Perceived Usability Honourable Mention

- Juergen Baumgartner (*University of Fribourg & Puzzle ITC, Fribourg, Switzerland*)
- Naomi Frei (*University of Fribourg, Fribourg, Switzerland*)
- Mascha Kleinke (*University of Fribourg, Fribourg, Switzerland*)
- Juergen Sauer (*University of Fribourg, Fribourg, Switzerland*)
- Andreas Sonderegger (*École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland*)

HistoryTracker: Minimizing Human Interactions in Baseball Game Annotation Honourable Mention

- Jorge Piazentin Ono (*New York University, New York, NY, USA*)
- Arvi Gjoka (*New York University, New York, NY, USA*)
- Justin Salamon (*New York University, New York, NY, USA*)
- Carlos Dietrich (*New York University, New York University, NY, USA*)
- Claudio T. Silva (*New York University, New York City, NY, USA*)

Interpreting the Diversity in Subjective Judgments

- Jean-Bernard Martens (*Eindhoven University of Technology, Eindhoven, Netherlands*)

Ten-Minute Silence: A New Notification UX of Mobile Instant Messenger

- In-geon Shin (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Jin-min Seok (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Youn-kyung Lim (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)

Paper session: On the Web and in the Browser

Wednesday - 11:00 - 12:20 Room: Boisdale 2

Chair: Janice Tsai

Overcoming Distractions during Transitions from Break to Work using a Conversational Website-Blocking System

- Vincent W.-S. Tseng (*Cornell University, Ithaca, NY, USA*)
- Matthew L. Lee (*FXPAL, Palo Alto, CA, USA*)
- Laurent Denoue (*FXPAL, Palo Alto, CA, USA*)
- Daniel Avrahami (*FXPAL, Palo Alto, CA, USA*)

Poirot: A Web Inspector for Designers *Honourable Mention*

- Kesler Tanner (*Stanford University, Stanford, CA, USA*)
- Naomi Johnson (*University of Virginia, Charlottesville, VA, USA*)
- James A. Landay (*Stanford University, Stanford, CA, USA*)

Guideline-Based Evaluation of Web Readability

- Aliaksei Miniukovich (*University of Trento, Trento, Italy*)
- Michele Scaltritti (*Università degli Studi di Trento, Rovereto, Italy*)
- Simone Sulpizio (*Vita-Salute San Raffaele University, Milan, Italy*)
- Antonella De Angeli (*Free University of Bolzano, Bolzano, Italy*)

The Impact of Web Browser Reader Views on Reading Speed and User Experience

- Qisheng Li (*University of Washington, Seattle, WA, USA*)
- Meredith Ringel Morris (*Microsoft Research, Redmond, WA, USA*)
- Adam Fournay (*Microsoft Research, Redmond, WA, USA*)
- Kevin Larson (*Microsoft, Redmond, WA, USA*)
- Katharina Reinecke (*University of Washington, Seattle, WA, USA*)

Paper session: Future of Hearing

Wednesday - 11:00 - 12:20 Room: Carron 1

Chair: Benjamin M. Gorman

Deaf and Hard-of-hearing Individuals' Preferences for Wearable and Mobile Sound Awareness Technologies

- Leah Findlater (*University of Washington, Seattle, WA, USA*)
- Bonnie Chinh (*University of Washington, Seattle, WA, USA*)
- Dhruv Jain (*University of Washington, Seattle, WA, USA*)
- Jon Froehlich (*University of Washington, Seattle, WA, USA*)
- Raja Kushalnagar (*Gallaudet University, Washington, DC, USA*)
- Angela Carey Lin (*University of Washington, Seattle, WA, USA*)

Exploring Sound Awareness in the Home for People who are Deaf or Hard of Hearing

- Dhruv Jain (*University of Washington, Seattle, WA, USA*)
- Angela Lin (*University of Washington, Seattle, WA, USA*)
- Rose Guttman (*University of Washington, Seattle, WA, USA*)
- Marcus Amalachandran (*University of Washington, Seattle, WA, USA*)
- Aileen Zeng (*University of Washington, Seattle, WA, USA*)
- Leah Findlater (*University of Washington, Seattle, WA, USA*)
- Jon Froehlich (*University of Washington, Seattle, WA, USA*)

Social, Cultural and Systematic Frustrations Motivating the Formation of a DIY Hearing Loss Hacking Community

- Aisling Ann O'Kane (*University of Bristol, Bristol, United Kingdom*)
- Abdinasir Aliomar (*University College London, London, United Kingdom*)
- Rebecca Zheng (*University College London, London, United Kingdom*)
- Britta Schulte (*University College London, London, United Kingdom*)
- Gianluca Trombetta (*Hearing Hacks, Barcelona, Spain*)

Changing Perspective: A Co-Design Approach to Explore Future Possibilities of Divergent Hearing

- Judith Dörrenbächer (*University of Siegen, Siegen, Germany*)
- Marc Hassenzahl (*University of Siegen, Siegen, Germany*)

Paper session: Developers! Developers! Security!

Wednesday - 11:00 - 12:20 Room: Dochart 2

Chair: Sameer Patil

'Think secure from the beginning': A Survey with Software Developers *Best Paper Award*

- Hala Assal (*Carleton University, Ottawa, Canada*)
- Sonia Chiasson (*Carleton University, Ottawa, Canada*)

"If you want, I can store the encrypted password": A Password-Storage Field Study with Freelance Developers *Honourable Mention*

- Alena Naiakshina (*University of Bonn, Bonn, Germany*)
- Anastasia Danilova (*University of Bonn, Bonn, Germany*)
- Eva Gerlitz (*University of Bonn, Bonn, Germany*)
- Emanuel von Zezschwitz (*University of Bonn & Fraunhofer FKIE, Bonn, Germany*)
- Matthew Smith (*University of Bonn & Fraunhofer FKIE, Bonn, Germany*)

Security Managers Are Not The Enemy Either *Honourable Mention*

- Lena Reinfelder (*Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany*)
- Robert Landwirth (*Technical University Darmstadt & Fraunhofer SIT, Darmstadt, Germany*)
- Zinaida Benenson (*Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany*)

Privacy, Anonymity, and Perceived Risk in Open Collaboration: A Study of Service Providers

- Nora McDonald (*Drexel University, Philadelphia, PA, USA*)
- Benjamin Mako Hill (*University of Washington, Seattle, WA, USA*)
- Rachel Greenstadt (*New York University, New York, NY, USA*)
- Andrea Forte (*Drexel University, Philadelphia, PA, USA*)

Paper session: Mobile Interactions

Wednesday - 11:00 - 12:20

Room: Clyde Auditorium

Chair: Gareth W. Tigwell

PinchList: Leveraging Pinch Gestures for Hierarchical List Navigation on Smartphones

- Teng Han (*University of Manitoba, Winnipeg, Canada*)
- Jie Liu (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Khalad Hasan (*University of British Columbia - Okanagan, Kelowna, Canada*)
- Mingming Fan (*University of Toronto, Toronto, Canada*)
- Junhyeok Kim (*University of Manitoba, Winnipeg, Canada*)
- Jiannan Li (*University of Toronto, Toronto, Canada*)
- Xiangmin Fan (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Feng Tian (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Edward Lank (*University of Waterloo, Waterloo, Canada*)
- Pourang Irani (*University of Manitoba, Winnipeg, Canada*)

ForceRay: Extending Thumb Reach via Force Input Stabilizes Device Grip for Mobile Touch Input

- Christian Corsten (*RWTH Aachen University, Aachen, Germany*)
- Marcel Lahaye (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)
- Simon Voelker (*RWTH Aachen University, Aachen, Germany*)

Sensing Posture-Aware Pen+Touch Interaction on Tablets Honourable Mention

- Yang Zhang (*Microsoft Research & Carnegie Mellon University, Redmond, WA, USA*)
- Michel Pahud (*Microsoft Research, Redmond, WA, USA*)
- Christian Holz (*Microsoft Research, Redmond, WA, USA*)
- Haijun Xia (*Microsoft Research & University of Toronto, Redmond, WA, USA*)
- Gierad Laput (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Michael McGuffin (*Microsoft Research & École de Technologie Supérieure, Redmond, WA, USA*)
- Xiao Tu (*Microsoft Research, Redmond, WA, USA*)
- Andrew Mittereder (*Microsoft Research, Redmond, WA, USA*)
- Fei Su (*Microsoft Research, Redmond, WA, USA*)
- William Buxton (*Microsoft Research, Redmond, WA, USA*)
- Ken Hinckley (*Microsoft Research, Redmond, WA, USA*)

Typing on Split Keyboards with Peripheral Vision

- Yiqin Lu (*Tsinghua University & Ministry of Education, Beijing, China*)
- Chun Yu (*Tsinghua University & Ministry of Education, Beijing, China*)
- Shuyi Fan (*Tsinghua University, Beijing, China*)
- Xiaojun Bi (*Stony Brook University, Stony Brook, NY, USA*)
- Yuanchun Shi (*Tsinghua University & Ministry of Education, Beijing, China*)

Paper session: Buying and Giving

Wednesday - 11:00 - 12:20

Room: Alsh 1

Chair: Mark Perry

Impulse Buying: Design Practices and Consumer Needs

- Carol Moser (*University of Michigan, Ann Arbor, MI, USA*)
- Sarita Y. Schoenebeck (*University of Michigan, Ann Arbor, MI, USA*)
- Paul Resnick (*University of Michigan, Ann Arbor, MI, USA*)

How do People Sort by Ratings?

- Jerry O. Talton (*Carta, Inc., New York, NY, USA*)
- Krishna Dusad (*University of Illinois at Urbana-Champaign, Urbana, IL, USA*)
- Konstantinos Koiliaris (*University of Illinois at Urbana-Champaign, Champaign, IL, USA*)
- Ranjitha S. Kumar (*University of Illinois at Urbana-Champaign, Urbana, IL, USA*)

Programmable Donations: Exploring Escrow-Based Conditional Giving

- Chris Elsdon (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Ludwig Trotter (*Lancaster University, Lancaster, United Kingdom*)
- Mike Harding (*Lancaster University, Lancaster, United Kingdom*)
- Nigel Davies (*Lancaster University, Lancaster, United Kingdom*)
- Chris Speed (*University of Edinburgh, Edinburgh, United Kingdom*)
- John Vines (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

Inalienability: Understanding Digital Gifts

- Jocelyn Spence (*University of Nottingham, Nottingham, United Kingdom*)

Paper session: Twisting, Holding, Squeezing

Wednesday - 11:00 - 12:20

Room: Lomond

Chair: Simon T. Perrault

HapTwist: Creating Interactive Haptic Proxies in Virtual Reality Using Low-cost Twistable Artefacts

- Kening Zhu (*City University of Hong Kong, Hong Kong, China*)
- Taizhou Chen (*City University of Hong Kong, Hong Kong, China*)
- Feng Han (*Hong Kong University of Science and Technology, Hong Kong, China*)
- Yi-Shiun Wu (*EPFL, Lausanne, Switzerland*)

Hands Holding Clues for Object Recognition in Teachable Machines

- Kyungjun Lee (*University of Maryland, College Park, College Park, MD, USA*)
- Hernisa Kacorri (*University of Maryland, College Park, College Park, MD, USA*)

Active Edge: Designing Squeeze Gestures for the Google Pixel 2

- Philip Quinn (*Google, Mountain View, CA, USA*)
- Seungyon Claire Lee (*Google, Mountain View, CA, USA*)
- Melissa Barnhart (*Google, Mountain View, CA, USA*)
- Shumin Zhai (*Google, Mountain View, CA, USA*)

RotoSwipe: Word-Gesture Typing using a Ring

- Aakar Gupta (*University of Waterloo, Waterloo, Canada*)
- Cheng Ji (*University of Waterloo, Waterloo, Canada*)
- Hui-Shyong Yeo (*University of St Andrews, Fife, United Kingdom*)
- Aaron Quigley (*University of St Andrews, St Andrews, United Kingdom*)
- Daniel Vogel (*University of Waterloo, Waterloo, Canada*)

Paper session: Online Learning Contexts

Wednesday - 11:00 - 12:20 Room: Alsh 2

Chair: Rebecca Quintana

Causeway: Scaling Situated Learning with Micro-Role Hierarchies *Honourable Mention*

- David T. Lee (*University of California, Santa Cruz, Santa Cruz, CA, USA*)
- Emily S. Hamedian (*University of California, Santa Cruz, Santa Cruz, CA, USA*)
- Greg Wolff (*University of California, Santa Cruz, Santa Cruz, CA, USA*)
- Amy Liu (*LinkedIn, Sunnyvale, CA, USA*)

Integrating Multimedia Tools to Enrich Interactions in Live Streaming for Language Learning

- Di (Laura) Chen (*University of Toronto, Toronto, Canada*)
- Dustin Freeman (*Escape Character Inc., Toronto, Canada*)
- Ravin Balakrishnan (*University of Toronto, Toronto, Canada*)

How Do Distance Learners Connect? *Honourable Mention*

- Na Sun (*Pennsylvania State University, State College, PA, USA*)
- Xiyang Wang (*Pennsylvania State University, University Park, PA, USA*)
- Mary Beth Rosson (*Pennsylvania State University, University Park, PA, USA*)

Continuous Evaluation of Video Lectures from Real-Time Difficulty Self-Report

- Namrata Srivastava (*The University of Melbourne, Melbourne, Australia*)
- Eduardo Velloso (*University of Melbourne, Melbourne, Australia*)
- Jason M. Lodge (*University of Queensland, Brisbane, Australia*)
- Sarah Erfani (*The University of Melbourne, Melbourne, Australia*)
- James Bailey (*The University of Melbourne, Melbourne, Australia*)

Paper session: Diverse Play Experiences

Wednesday - 11:00 - 12:20 Room: Gala

Chair: Max V. Birk

Failing with Style: Designing for Aesthetic Failure in Interactive Performance

- Adrian Hazzard (*University of Nottingham, Nottingham, United Kingdom*)
- Chris Greenhalgh (*University of Nottingham, Nottingham, United Kingdom*)
- Maria Kallionpää (*Aalborg University, Aalborg, Denmark*)
- Steve Benford (*University of Nottingham, Nottingham, United Kingdom*)
- Anne Veinberg (*Leiden University, Leiden, Netherlands*)
- Zubin Kanga (*Royal Holloway, University of London, Egham, United Kingdom*)
- Andrew McPherson (*Queen Mary University of London, London, United Kingdom*)

Exploring the Plurality of Black Women's Gameplay Experiences

- Yolanda A. Rankin (*Florida State University, Tallahassee, FL, USA*)
- Na-eun Han (*Florida State University, Tallahassee, FL, USA*)

Behind the Voices: The Practice and Challenges of Esports Casters

- Lucas Kempe-Cook (*Indiana University, Bloomington, IN, USA*)
- Stephen Tsung-Han Sher (*Indiana University, Bloomington, IN, USA*)
- Norman Makoto Su (*Indiana University, Bloomington, IN, USA*)

The Role of Gaming During Difficult Life Experiences

- Ioanna Iacovides (*University of York, York, United Kingdom*)
- Elisa D. Mekler (*University of Basel, Basel, Switzerland*)

Paper session: Empowerment and Minorities

Wednesday - 11:00 - 12:20 Room: Dochart 1

Chair: Syed Ishtiaque Ahmed

Empowerment on the Margins: The Online Experiences of Community Health Workers *Honourable Mention*

- Azra Ismail (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Neha Kumar (*Georgia Institute of Technology, Atlanta, GA, USA*)

Who Gets to Future? Race, Representation, and Design Methods in Africatown

- Jasper Tran O'Leary (*University of Washington, Seattle, WA, USA*)
- Sara Zewde (*Studio Zewde, Seattle, WA, USA*)
- Jennifer Mankoff (*University of Washington, Seattle, WA, USA*)
- Daniela K. Rosner (*University of Washington, Seattle, WA, USA*)

The Parenting Actor-Network of Latino Immigrants in the United States

- Marisol Wong-Villacres (*Georgia Institute of Technology, Atlanta, GA, USA*)

- Neha Kumar (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Betsy DiSalvo (*Georgia Institute of Technology, Atlanta, GA, USA*)

Guerilla Warfare and the Use of New (and Some Old) Technology: Lessons from FARC's Armed Struggle in Colombia *Best Paper Award*

- Débora de Castro Leal (*University of Siegen, Siegen, Germany*)
- Max Krüger (*University of Siegen, Siegen, Germany*)
- Kaoru Misaki (*International Institute of Socio-Informatics, Bonn, Germany*)
- David Randall (*University of Siegen, Siegen, Germany*)
- Volker Wulf (*University of Siegen, Siegen, Germany*)

Paper session: Inclusive Education

Wednesday - 11:00 - 12:20 Room: *Boisdale 1*

Chair: Lei Shi

Understanding the Impact of TVIs on Technology Use and Selection by Children with Visual Impairments

- Catherine M. Baker (*Creighton University, Omaha, NE, USA*)
- Lauren R. Milne (*Macalester University, St Paul, MN, USA*)
- Richard E. Ladner (*University of Washington, Seattle, WA, USA*)

StoryBlocks: A Tangible Programming Game To Create Accessible Audio Stories *Honourable Mention*

- Varsha Koushik (*University of Colorado Boulder, Boulder, CO, USA*)
- Darren Guinness (*University of Colorado Boulder, Boulder, CO, USA*)
- Shaun K. Kane (*University of Colorado Boulder, Boulder, CO, USA*)

"It Broadens My Mind": Empowering People with Cognitive Disabilities through Computing Education

- Varsha Koushik (*University of Colorado Boulder, Boulder, CO, USA*)
- Shaun K. Kane (*University of Colorado Boulder, Boulder, CO, USA*)

DesignABILITY: Framework for the Design of Accessible Interactive Tools to Support Teaching to Children with Disabilities

- Leandro Flórez-Aristizábal (*Institución Universitaria Antonio José Camacho, Cali, Colombia*)
- Sandra Cano (*Universidad de San Buenaventura, Cali, Colombia*)
- César A. Collazos (*Universidad del Cauca, Popayán, Colombia*)
- Andrés F. Solano (*Universidad Autónoma de Occidente, Cali, Colombia*)
- Stephen Brewster (*University of Glasgow, Glasgow, United Kingdom*)

Paper session: Sustainability and Sharing Economy

Wednesday - 11:00 - 12:20 Room: *Carron 2*

Chair: Gabriela Avram

The Right to the Sustainable Smart City *Honourable Mention*

- Sara Heitlinger (*City, University of London, London, United Kingdom*)
- Nick Bryan-Kinns (*Queen Mary University of London, London, United Kingdom*)
- Rob Comber (*KTH Royal Institute of Technology, Stockholm, Sweden*)

Symbiotic Encounters: HCI and Sustainable Agriculture *Honourable Mention*

- Szu-Yu (Cyn) Liu (*Indiana University, Bloomington, IN, USA*)
- Shaowen Bardzell (*Indiana University, Bloomington, IN, USA*)
- Jeffrey Bardzell (*Indiana University, Bloomington, IN, USA*)

Sharing Economy Design Cards

- Anton Fedosov (*Università della Svizzera italiana, Lugano, Switzerland*)
- Masako Kitazaki (*Delft University of Technology, Delft, Netherlands*)
- William Odom (*Simon Fraser University, Surrey, Canada*)
- Marc Langheinrich (*Università della Svizzera italiana, Lugano, Switzerland*)

Assisted Shifting of Electricity Use: A Long-Term Study of Managing Residential Heating

- Rikke Hagensby Jensen (*The Technical Faculty of IT and Design, Aalborg, Denmark*)
- Jesper Kjeldskov (*Aalborg University, Aalborg, Denmark*)
- Mikael B. Skov (*Aalborg University, Aalborg, Denmark*)

Paper session: Societal Impact

Wednesday - 11:00 - 12:20 Room: *Hall 1*

Chair: Kathrin Gerling

Interpretive Impacts of Text Visualization: Mitigating Political Framing Effects

- Eric P. S. Baumer (*Lehigh University, Bethlehem, PA, USA*)
- Jaime Snyder (*University of Washington, Seattle, WA, USA*)
- Geraldine Gay (*Cornell University, Ithaca, NY, USA*)

Hidden Work and the Challenges of Scalability and Sustainability in Ambulatory Assisted Living

- Rob Procter (*University of Warwick, Coventry, United Kingdom*)
- Joe Wherton (*Oxford University, Oxford, United Kingdom*)
- Trisha Greenhalgh (*Oxford University, Oxford, United Kingdom*)

Looking South: Learning Urban Perception in Developing Cities

- Darshan Santani (*Idiap Research Institute, Martigny, Switzerland*)
- Salvador Ruiz Correa (*Instituto Potosino de Investigación Científica y Tecnológica, San Luis Potosí, Mexico*)
- Daniel Gatica-Perez (*Idiap-EPFL, Lausanne, Switzerland*)

Special Interest Group (SIG): Child-computer Interaction SIG: Designing for Refugee Children

Wednesday - 11:00 - 12:20 Room: *Island A CROWNE*

Child-Computer Interaction SIG: Designing for Refugee Children

- Juan Pablo Hourcade (*University of Iowa, Iowa City, IA, USA*)
- Alissa N. Antle (*Simon Fraser University, Surrey, Canada*)
- Michail Giannakos (*Norwegian University of Science and Technology, Trondheim, Norway*)

- Jerry Alan Fails (*Boise State University, Boise, ID, USA*)
- Janet C. Read (*University of Central Lancashire, Preston, United Kingdom*)
- Panos Markopoulos (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Franca Garzotto (*Politecnico di Milano, Milan, Italy*)
- Andrea Palumbos (*Sesame Workshop, New York, NY, USA*)

Wednesday - 12:20 - 14:00

- Break: Lunch Break (not provided)
 Wednesday - 12:20 - 14:00 Room: N/A
- Break: SIGCHI & CHI Townhall Lunch
 Wednesday - 12:20 - 14:00 Room: Lomond
- Miscellaneous: Speaker prep room
 Wednesday - 12:20 - 14:00 Room: Etive

Wednesday - 14:00 - 15:20

- Course: Building Economic Models of Human Computer Interaction
 Wednesday - 14:00 - 15:20 Room: Castle 2 CROWNE
Building Economic Models of Human Computer Interaction
- Leif Azzopardi (*University of Strathclyde, Glasgow, United Kingdom*)
 - Guido Zuccon (*University of Queensland, Brisbane, Australia*)
- Course: Computational Interaction with Bayesian Methods
 Wednesday - 14:00 - 15:20 Room: Argyll 2 CROWNE
Computational Interaction with Bayesian Methods
- Per Ola Kristensson (*University of Cambridge, Cambridge, United Kingdom*)
 - Nikola Banovic (*University of Michigan, Ann Arbor, MI, USA*)
 - Antti Oulasvirta (*Aalto University, Helsinki, Finland*)
 - John Williamson (*University of Glasgow, Glasgow, United Kingdom*)
- Course: Bespoke Data Visualization using R and ggplot2
 Wednesday - 14:00 - 15:20 Room: Castle 1 CROWNE
Bespoke Data Visualization using R and ggplot2
- Sandy J. J. Gould (*University of Birmingham, Birmingham, United Kingdom*)
- Course: Tangible Ecosystem Design - Developing Disruptive Services for Digital Ecosystems
 Wednesday - 14:00 - 15:20 Room: Castle 3 CROWNE
Tangible Ecosystem Design – Developing Disruptive Services for Digital Ecosystems
- Claudia Nass Bauer (*Fraunhofer IESE, Kaiserslautern, Germany*)
 - Marcus Trapp (*Fraunhofer IESE, Kaiserslautern, Germany*)
- Course: Communicating your Research to the Public and the Press
 Wednesday - 14:00 - 15:20 Room: Island B CROWNE
Communicating your Research to the Public and the Press
- Helen Pilcher
- Course: Introduction to Legal Issues in Human-Computer Interaction
 Wednesday - 14:00 - 15:20 Room: Argyll 3 CROWNE
Introduction to Legal Issues in Human-Computer Interaction
- Jonathan Lazar (*University of Maryland, College Park, MD, USA*)
 - Raja Kushalnagar (*Gallaudet University, Washington, DC, USA*)
 - Casey Fiesler (*University of Colorado, Boulder, CO, USA*)
 - G. Anthony Giannoumis (*Oslo Metropolitan University, Oslo, Norway*)
- Miscellaneous: Speaker prep room
 Wednesday - 14:00 - 15:20 Room: Etive
- Panel: Moving towards a journal-centric publication model for CHI: Possible paths, opportunities and risks
 Wednesday - 14:00 - 15:20 Room: Argyll 1 CROWNE
Moving Towards a Journal-centric Publication Model for CHI: Possible Paths, Opportunities and Risks
- Gilbert Cockton (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
 - Kristina Höök (*KTH Royal Institute of Technology, Stockholm, Sweden*)
 - Jofish Kaye (*Mozilla, Mountain View, CA, USA*)
 - Annika Waern (*Uppsala University, Uppsala, Sweden*)
 - Eleanor Wynn (*Ronin Institute, Portland, OR, USA*)
 - Julie Williamson (*University of Glasgow, Glasgow, United Kingdom*)
- Paper session: Mapping and 3D
 Wednesday - 14:00 - 15:20 Room: Boisdale 1
 Chair: Z O. Toups
Infrastructuring the Imaginary: How Sea-Level Rise Comes to Matter in the San Francisco Bay Area
- Robert Soden (*University of Colorado Boulder, Boulder, CO, USA*)
 - Nate Kauffman (*University of California, Berkeley, Berkeley, CA, USA*)
- Look-From Camera Control for 3D Terrain Maps Honourable Mention**
- Kurtis Danyluk (*University of Calgary, Calgary, Canada*)
 - Bernhard Jenny (*Monash University, Melbourne, Australia*)
 - Wesley Willett (*University of Calgary, Calgary, Canada*)
- Beyond The Force: Using Quadcopters to Appropriate Objects and the Environment for Haptics in Virtual Reality Honourable Mention**
- Parastoo Abtahi (*Stanford University, Stanford, CA, USA*)
 - Benoit Landry (*Stanford University, Stanford, CA, USA*)
 - Jackie (Junrui) Yang (*Stanford University, Stanford, CA, USA*)
 - Marco Pavone (*Stanford University, Stanford, CA, USA*)

- Sean Follmer (*Stanford University, Stanford, CA, USA*)
- James A. Landay (*Stanford University, Stanford, CA, USA*)

VisiBlends: A Flexible Workflow for Visual Blends

- Lydia B. Chilton (*Columbia University, New York, NY, USA*)
- Savvas Petridis (*Columbia University, New York, NY, USA*)
- Maneesh Agrawala (*Stanford University, Stanford, CA, USA*)

Paper session: Shape-changing Interfaces

Wednesday - 14:00 - 15:20 Room: Hall 1

Chair: Michael Jones

A-line: 4D Printing Morphing Linear Composite Structures

- Guanyun Wang (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Ye Tao (*Carnegie Mellon University & Zhejiang University, Hangzhou, China*)
- Ozguc Bertug Capunaman (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Humphrey Yang (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Lining Yao (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Shape Changing Surfaces and Structures: Design Tools and Methods for Electroactive Polymers

Honourable Mention

- Karmen Franinović (*Zurich University of the Arts, Zurich, Switzerland*)
- Luke Franzke (*Zurich University of the Arts, Zurich, Switzerland*)

Finding Information on Non-Rectangular Interfaces

- Florine Simon (*University of Toulouse, Toulouse, France*)
- Anne Roudaut (*University of Bristol, Bristol, United Kingdom*)
- Pourang Irani (*University of Manitoba, Winnipeg, Canada*)
- Marcos Serrano (*University of Toulouse, Toulouse, France*)

Geodesy: Self-rising 2.5D Tiles by Printing along 2D Geodesic Closed Path

- Jianzhe Gu (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- David E. Breen (*Carnegie Mellon University & Drexel University, Philadelphia, PA, USA*)
- Jenny Hu (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Lifeng Zhu (*Southeast University & Carnegie Mellon University, Pittsburgh, PA, USA*)
- Ye Tao (*Carnegie Mellon University & Zhejiang University, Hangzhou, China*)
- Tyson Van de Zande (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Guanyun Wang (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Yongjie Jessica Zhang (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Lining Yao (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Paper session: Digital Consumption

Wednesday - 14:00 - 15:20 Room: Carron 1

Chair: Jennifer Marlow

Do People Consume the News they Trust?

- Harsh Taneja (*University of Illinois Urbana-Champaign, Champaign-Urbana, IL, USA*)
- Katie Yaeger (*University of Missouri, Columbia, MO, USA*)

Just Give Me What I Want: How People Use and Evaluate Music Search

- Christine Hosey (*Spotify, Somerville, MA, USA*)
- Lara Vujović (*TripAdvisor, Needham, MA, USA*)
- Brian St. Thomas (*Spotify, Somerville, MA, USA*)
- Jean Garcia-Gathright (*Spotify, Somerville, MA, USA*)
- Jennifer Thom (*Spotify, Somerville, MA, USA*)

Understanding Online News Behaviors

- Frank Bentley (*Yahoo/Oath, Sunnyvale, CA, USA*)
- Katie Quehl (*Yahoo/Oath, Sunnyvale, CA, USA*)
- Jordan Wirfs-Brock (*Yahoo/Oath, Sunnyvale, CA, USA*)
- Melissa Bica (*Yahoo/Oath, Sunnyvale, CA, USA*)

Impact of Contextual Factors on Snapchat Public Sharing Honourable Mention

- Hana Habib (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Neil Shah (*Snap Inc., Santa Monica, CA, USA*)
- Rajan Vaish (*Snap Inc., Santa Monica, CA, USA*)

Paper session: Algorithmic Systems and Society

Wednesday - 14:00 - 15:20 Room: Dochart 2

Chair: Stevie Chancellor

Let Me Explain: Impact of Personal and Impersonal Explanations on Trust in Recommender Systems

- Johannes Kunkel (*University of Duisburg-Essen, Duisburg, Germany*)
- Tim Donkers (*University of Duisburg-Essen, Duisburg, Germany*)
- Lisa Michael (*University of Duisburg-Essen, Duisburg, Germany*)
- Catalin-Mihai Barbu (*University of Duisburg-Essen, Duisburg, Germany*)
- Jürgen Ziegler (*University of Duisburg-Essen, Duisburg, Germany*)

Search as News Curator: The Role of Google in Shaping Attention to News Information Honourable Mention

- Daniel Trielli (*Northwestern University, Evanston, IL, USA*)
- Nicholas Diakopoulos (*Northwestern University, Evanston, IL, USA*)

Evaluating Preference Collection Methods for Interactive Ranking Analytics

- Caitlin Kuhlman (*Worcester Polytechnic Institute, Worcester, MA, USA*)
- Diana Doherty (*Worcester Polytechnic Institute, Worcester, MA, USA*)
- Malika Nurbekova (*Worcester Polytechnic Institute, Worcester, MA, USA*)

- Goutham Deva (*Worcester Polytechnic Institute, Worcester, MA, USA*)
- Zarni Phyo (*Worcester Polytechnic Institute, Worcester, MA, USA*)
- Paul-Henry Schoenhagen (*Worcester Polytechnic Institute, Worcester, MA, USA*)
- MaryAnn VanValkenburg (*Worcester Polytechnic Institute, Worcester, MA, USA*)
- Elke Rundensteiner (*Worcester Polytechnic Institute, Worcester, MA, USA*)
- Lane Harrison (*Worcester Polytechnic Institute, Worcester, MA, USA*)

Unintended Consonances: Methods to Understand Robot Motor Sound Perception

- Dylan Moore (*Stanford University, Stanford, CA, USA*)
- Tobias Dahl (*SINTEF, Trondheim, Norway*)
- Paula Varela (*Nofima, Ås, Norway*)
- Wendy Ju (*Cornell Tech, New York, NY, USA*)
- Tormod Næs (*Nofima, Ås, Norway*)
- Ingunn Berget (*Nofima, Ås, Norway*)

Paper session: Audio Experiences

Wednesday - 14:00 - 15:20

Room: Alsh 1

Chair: Jeni Paay

Audible Panorama: Automatic Spatial Audio Generation for Panorama Imagery

- Haikun Huang (*University of Massachusetts, Boston, Boston, MA, USA*)
- Michael Solah (*University of Massachusetts, Boston, Boston, MA, USA*)
- Dingzeyu Li (*Adobe Research & Columbia University, Seattle, WA, USA*)
- Lap-Fai Yu (*George Mason University, Fairfax, VA, USA*)

Our Friends Electric: Reflections on Advocacy and Design Research for the Voice Enabled Internet

- Jon Rogers (*University of Dundee, Dundee, United Kingdom*)
- Loraine Clarke (*University of Dundee, Dundee, United Kingdom*)
- Martin Skelly (*University of Dundee, Dundee, United Kingdom*)
- Nick Taylor (*University of Dundee, Dundee, United Kingdom*)
- Pete Thomas (*University of Dundee, Dundee, United Kingdom*)
- Michelle Thorne (*Mozilla Foundation, Berlin, Germany*)
- Solana Larsen (*Mozilla Foundation, Berlin, Germany*)
- Katarzyna Odrozek (*Mozilla Foundation, Berlin, Germany*)
- Julia Kloiber (*Mozilla Foundation, Berlin, Germany*)
- Peter Bihl (*Mozilla Foundation, Berlin, Germany*)
- Anab Jain (*Superflux, London, United Kingdom*)
- Jon Arden (*Superflux, London, United Kingdom*)
- Max von Grafenstein (*Berlin University of the Arts, Berlin, Germany*)

Gaze-Guided Narratives: Adapting Audio Guide Content to Gaze in Virtual and Real Environments

- Tiffany C.K. Kwok (*ETH Zurich, Zurich, Switzerland*)
- Peter Kiefer (*ETH Zurich, Zurich, Switzerland*)
- Victor R. Schinazi (*ETH Zurich, Zurich, Switzerland*)
- Benjamin Adams (*University of Canterbury, Christchurch, New Zealand*)
- Martin Raubal (*ETH Zurich, Zurich, Switzerland*)

Voice as a Design Material: Sociophonetic Inspired Design Strategies in Human-Computer Interaction

- Selina Jeanne Sutton (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Paul Foulkes (*University of York, York, United Kingdom*)
- David Kirk (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Shaun Lawson (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

Paper session: Designing the Things in IoT

Wednesday - 14:00 - 15:20

Room: Clyde Auditorium

Chair: Saiganesh Swaminathan

The Inflatable Cat: Idiosyncratic Ideation of Smart Objects for the Home

- Arne Berger (*Chemnitz University of Technology, Chemnitz, Germany*)
- William Odom (*Simon Fraser University, Surrey, Canada*)
- Michael Storz (*Chemnitz University of Technology, Chemnitz, Germany*)
- Andreas Bischof (*Chemnitz University of Technology, Chemnitz, Germany*)
- Albrecht Kurze (*Chemnitz University of Technology, Chemnitz, Germany*)
- Eva Hornecker (*Bauhaus-Universität Weimar, Weimar, Germany*)

Older People Inventing their Personal Internet of Things with the IoT Un-Kit Experience

- Aloha Hufana Ambe (*Queensland University of Technology, Brisbane, Australia*)
- Margot Brereton (*Queensland University of Technology, Brisbane, Australia*)
- Alessandro Soro (*Queensland University of Technology, Brisbane, Australia*)
- Min Zhen Chai (*Queensland University of Technology, Brisbane, Australia*)
- Laurie Buys (*Queensland University of Technology, Brisbane, Australia*)
- Paul Roe (*Queensland University of Technology, Brisbane, Australia*)

Gehna: Exploring the Design Space of Jewelry as an Input Modality

- Jatin Arora (*Indraprastha Institute of Information Technology, New Delhi, India*)
- Kartik Mathur (*Indraprastha Institute of Information Technology, New Delhi, India*)
- Aryan Saini (*Indraprastha Institute of Information Technology, New Delhi, India*)
- Aman Parnami (*Indraprastha Institute of Information Technology, New Delhi, India*)

Managerial Visions: Stories of Upgrading and Maintaining the Public Restroom with IoT Best Paper Award

- Sarah E. Fox (*University of California, San Diego, La Jolla, CA, USA*)

- Kiley Sobel (*University of Washington, Seattle, WA, USA*)
- Daniela K. Rosner (*University of Washington, Seattle, WA, USA*)

Paper session: Accessibility and Games

Wednesday - 14:00 - 15:20 Room: Gala

Chair: Jan Smeddinck

Playing Blind: Revealing the World of Gamers with Visual Impairment

- Ronny Andrade (*The University of Melbourne, Melbourne, Australia*)
- Melissa J. Rogerson (*The University of Melbourne, Melbourne, Australia*)
- Jenny Waycott (*The University of Melbourne, Melbourne, Australia*)
- Steven Baker (*The University of Melbourne, Melbourne, Australia*)
- Frank Vetere (*The University of Melbourne, Melbourne, Australia*)

Design Goals for Playful Technology to Support Physical Activity Among Wheelchair Users

- Liam Mason (*University of Lincoln, Lincoln, United Kingdom*)
- Kathrin Gerling (*KU Leuven, Leuven, Belgium*)
- Patrick Dickinson (*University of Lincoln, Lincoln, United Kingdom*)
- Antonella De Angeli (*University of Lincoln & University of Trento, Lincoln, United Kingdom*)

Let's Play Together: Adaptation Guidelines of Board Games for Players with Visual Impairment

- Frederico da Rocha Tomé Filho (*University of Ontario Institute of Technology, Oshawa, Canada*)
- Pejman Mirza-Babaei (*University of Ontario Institute of Technology, Oshawa, Canada*)
- Bill Kapralos (*University of Ontario Institute of Technology, Oshawa, Canada*)
- Glaudiney Moreira Mendonça Junior (*Federal University of Ceará, Fortaleza, Brazil*)

How Do One's Peers on a Leaderboard Affect Oneself?

- Weiwen Leung (*University of Toronto, Toronto, Canada*)

Paper session: 3D Pointing and Hands

Wednesday - 14:00 - 15:20 Room: Carron 2

Chair: Teng Han

Warping Deixis: Distorting Gestures to Enhance Collaboration

- Maurício Sousa (*INESC-ID Lisboa & Universidade de Lisboa, Lisboa, Portugal*)
- Rafael Kufner dos Anjos (*INESC-ID Lisboa & Faculdade de Ciências Sociais e Humanas, Lisboa, Portugal*)
- Daniel Mendes (*INESC-ID Lisboa, Lisboa, Portugal*)
- Mark Billingham (*University of South Australia, Mawson Lakes, Australia*)
- Joaquim Jorge (*INESC-ID Lisboa & Universidade de Lisboa, Lisboa, Portugal*)

Interstices: Sustained Spatial Relationships between Hands and Surfaces Reveal Anticipated Action

- Andrew M. Webb (*Inria, Université Paris-Saclay and Texas A&M University, Paris, France*)
- Hannah Fowler (*Texas A&M University, College Station, TX, USA*)
- Andruid Kerne (*Texas A&M University, College Station, TX, USA*)
- Galen Newman (*Texas A&M University, College Station, TX, USA*)
- Jun-Hyun Kim (*Michigan State University, East Lansing, MI, USA*)
- Wendy E. Mackay (*Inria, Université Paris-Saclay, Paris, France*)

The Effect of Stereo Display Deficiencies on Virtual Hand Pointing

- Mayra Donaji Barrera Machuca (*Simon Fraser University, Vancouver, Canada*)
- Wolfgang Stuerzlinger (*Simon Fraser University, Vancouver, Canada*)

Encumbered Interaction: a Study of Musicians Preparing to Perform Honourable Mention

- Juan Pablo Martinez Avila (*The University of Nottingham, Nottingham, United Kingdom*)
- Chris Greenhalgh (*The University of Nottingham, Nottingham, United Kingdom*)
- Adrian Hazzard (*The University of Nottingham, Nottingham, United Kingdom*)
- Steve Benford (*The University of Nottingham, Nottingham, United Kingdom*)
- Alan Chamberlain (*The University of Nottingham, Nottingham, United Kingdom*)

Paper session: Designing for Haptics and VR

Wednesday - 14:00 - 15:20 Room: Dochart 1

Chair: Christian Holz

Haptipedia: Accelerating Haptic Device Discovery to Support Interaction & Engineering Design

- Hasti Seifi (*Max Planck Institute for Intelligent Systems, Stuttgart, Germany*)
- Farimah Fazlollahi (*Max Planck Institute for Intelligent Systems, Stuttgart, Germany*)
- Michael Oppermann (*University of British Columbia, Vancouver, Canada*)
- John Andrew Sastrillo (*University of British Columbia, Vancouver, Canada*)
- Jessica Ip (*University of British Columbia, Vancouver, Canada*)
- Ashutosh Agrawal (*University of British Columbia, Vancouver, Canada*)
- Gunhyuk Park (*Max Planck Institute for Intelligent Systems, Stuttgart, Germany*)
- Katherine J. Kuchenbecker (*Max Planck Institute for Intelligent Systems, Stuttgart, Germany*)
- Karon E. MacLean (*University of British Columbia, Vancouver, Canada*)

Quantitative Measurement of Tool Embodiment for Virtual Reality Input Alternatives Honourable Mention

- Ayman Alzayat (*University of Waterloo, Kitchener, Canada*)
- Mark Hancock (*University of Waterloo, Waterloo, Canada*)
- Miguel A. Nacenta (*University of St Andrews, St Andrews, United Kingdom*)

TabletInVR: Exploring the Design Space for Using a Multi-Touch Tablet in Virtual Reality

- Hemant Bhaskar Surale (*University of Waterloo, Waterloo, Canada*)
- Aakar Gupta (*University of Waterloo, Waterloo, Canada*)
- Mark Hancock (*University of Waterloo, Waterloo, Canada*)
- Daniel Vogel (*University of Waterloo, Waterloo, Canada*)

ARPen: Mid-Air Object Manipulation Techniques for a Bimanual AR System with Pen & Smartphone

- Philipp Wacker (*RWTH Aachen University, Aachen, Germany*)
- Oliver Nowak (*RWTH Aachen University, Aachen, Germany*)
- Simon Voelker (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)

Paper session: Classroom Learning

Wednesday - 14:00 - 15:20 Room: Alsh 2

Chair: Alissa N. Antle

How Guiding Questions Facilitate Feedback Exchange in Project-Based Learning

- Amy Cook (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Jessica Hammer (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Salma Elsayed-Ali (*William & Mary, Williamsburg, VA, USA*)
- Steven Dow (*University of California, San Diego, La Jolla, CA, USA*)

Unobtrusively Enhancing Reflection-in-Action of Teachers through Spatially Distributed Ambient Information Honourable Mention

- Pengcheng An (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Saskia Bakker (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Sara Ordanovski (*Utrecht University, Utrecht, Netherlands*)
- Ruurd Taconis (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Chris L.E. Paffen (*Utrecht University, Utrecht, Netherlands*)
- Berry Eggen (*Eindhoven University of Technology, Eindhoven, Netherlands*)

A Field Study of Teachers Using a Curriculum-integrated Digital Game

- Zhongxiu Peddycord-Liu (*North Carolina State University, Raleigh, NC, USA*)
- Veronica Cateté (*North Carolina State University, Raleigh, NC, USA*)
- Jessica Vandenberg (*North Carolina State University, Raleigh, NC, USA*)
- Tiffany Barnes (*North Carolina State University, Raleigh, NC, USA*)
- Collin F. Lynch (*North Carolina State University, Raleigh, NC, USA*)
- Teomara Rutherford (*North Carolina State University, Raleigh, NC, USA*)

What Can We Learn from Augmented Reality (AR)?

- Iulian Radu (*Harvard University, Cambridge, MA, USA*)
- Bertrand Schneider (*Harvard University, Cambridge, MA, USA*)

Paper session: Gamification

Wednesday - 14:00 - 15:20 Room: Forth

Chair: Elisa D. Mekler

Gamified Ads: Bridging the Gap Between User Enjoyment and the Effectiveness of Online Ads

- Maximilian Altmeyer (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Kathrin Dernbecher (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Vladislav Hnatovskiy (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Marc Schubhan (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Pascal Lessel (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)

Gamification in Science: A Study of Requirements in the Context of Reproducible Research

- Sebastian S. Feger (*Ludwig Maximilian University of Munich & CERN, Munich, Germany*)
- Sünje Dallmeier-Tiessen (*CERN, Geneva, Switzerland*)
- Paweł W. Woźniak (*Utrecht University, Utrecht, Netherlands*)
- Albrecht Schmidt (*Ludwig Maximilian University of Munich, Munich, Germany*)

"Enable or Disable Gamification?" - Analyzing the Impact of Choice in a Gamified Image Tagging Task

- Pascal Lessel (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Maximilian Altmeyer (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Lea Verena Schmeer (*Saarland University, Saarland Informatics Campus, Saarbrücken, Germany*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)

A Badge, Not a Barrier: Designing for—and Throughout—Digital Badge Implementation

- Caroline Pitt (*University of Washington, Seattle, WA, USA*)
- Adam Bell (*University of Washington, Seattle, WA, USA*)
- Edgar Onofre (*University of Washington, Seattle, WA, USA*)
- Katie Davis (*University of Washington, Seattle, WA, USA*)

Paper session: Memory and Mental Health

Wednesday - 14:00 - 15:20 Room: Hall 2

Chair: Sarah Clinch

Exploring and Designing for Memory Impairments in Depression

- Chengcheng Qu (*Lancaster University, Lancaster, United Kingdom*)
- Corina Sas (*Lancaster University, Lancaster, United Kingdom*)
- Gavin Doherty (*Trinity College Dublin, Dublin, Ireland*)

Visually Encoding the Lived Experience of Bipolar Disorder

- Jaime Snyder (*University of Washington, Seattle, WA, USA*)
- Elizabeth Murnane (*Stanford University, Stanford, CA, USA*)
- Caitie Lustig (*University of California, Irvine, Irvine, CA, USA*)
- Stephen Volda (*University of Colorado, Boulder, CO, USA*)

Exploring Media Capture of Meaningful Experiences to Support Families Living with Dementia

- James Hodge (*Newcastle University, Newcastle, United Kingdom*)
- Kyle Montague (*Newcastle University, Newcastle, United Kingdom*)
- Sandra Hastings (*Silverline Memories, Newcastle, United Kingdom*)
- Kellie Morrissey (*Open Lab, Newcastle, United Kingdom*)

Collaborative Futures: Co-Designing Research Methods for Younger People Living with Dementia

- Jeanette Bell (*University of Technology, Sydney, Sydney, Australia*)
- Tuck Wah Leong (*University of Technology Sydney, Sydney, Australia*)

Paper session: Storytelling with Visualization

Wednesday - 14:00 - 15:20 Room: Boisdale 2

Chair: Jian Zhao

DataToon: Drawing Dynamic Network Comics With Pen + Touch Interaction

- Nam Wook Kim (*Microsoft Research & Harvard University, Redmond, WA, USA*)
- Nathalie Henry Riche (*Microsoft Research, Redmond, WA, USA*)
- Benjamin Bach (*Edinburgh University, Edinburgh, United Kingdom*)
- Guanpeng Xu (*Phillips Academy, Andover, MA, USA*)
- Matthew Brehmer (*Microsoft Research, Redmond, WA, USA*)
- Ken Hinckley (*Microsoft Research, Redmond, WA, USA*)
- Michel Pahud (*Microsoft Research, Redmond, WA, USA*)
- Haijun Xia (*University of Toronto, Toronto, Canada*)
- Michael J. McGuffin (*École de Technologie Supérieure ÉTS, Montreal, Canada*)
- Hanspeter Pfister (*Harvard University, Cambridge, MA, USA*)

Understanding Visual Cues in Visualizations Accompanied by Audio Narrations

- Ha-Kyung Kong (*University of Illinois at Urbana-Champaign, Urbana, IL, USA*)
- Wenjie Zhu (*University of Illinois at Urbana-Champaign, Urbana, IL, USA*)
- Zhicheng Liu (*Adobe Research, Seattle, WA, USA*)
- Karrie Karahalios (*Adobe Research & University of Illinois at Urbana-Champaign, Urbana, IL, USA*)

Comparing Effectiveness and Engagement of Data Comics and Infographics

- Zehong Wang (*University of Edinburgh, Edinburgh, United Kingdom*)
- Shuming Wang (*Peking University & University of Edinburgh, Beijing, China*)
- Matteo Farinella (*Columbia University, New York, NY, USA*)
- Dave Murray-Rust (*University of Edinburgh, Edinburgh, United Kingdom*)
- Nathalie Henry Riche (*Microsoft Research, Redmond, WA, USA*)
- Benjamin Bach (*Edinburgh University, Edinburgh, United Kingdom*)

GameViews: Understanding and Supporting Data-driven Sports Storytelling Honourable Mention

- Qiyu Zhi (*University of Notre Dame, Notre Dame, IN, USA*)
- Suwen Lin (*University of Notre Dame, Notre Dame, IN, USA*)
- Poorna Talkad Sukumar (*University of Notre Dame, South Bend, IN, USA*)
- Ronald Metoyer (*University of Notre Dame, South Bend, IN, USA*)

Special Interest Group (SIG): Cooperativism and Human-Computer Interaction

Wednesday - 14:00 - 15:20 Room: Island A CROWNE

Cooperativism and Human-Computer Interaction

- Anton Fedosov (*Università della Svizzera italiana, Lugano, Switzerland*)
- Airi Lampinen (*Stockholm University, Stockholm, Sweden*)
- Tawanna R. Dillahunt (*University of Michigan, Ann Arbor, MI, USA*)
- Ann Light (*University of Sussex, Brighton, United Kingdom*)
- Coye Cheshire (*University of California, Berkeley, Berkeley, CA, USA*)

Special Interest Group (SIG): Transformative Experience Design: Using Interactive Technologies and Narrative to Support Transformative Experiences

Wednesday - 14:00 - 15:20 Room: Lomond

Transformative Experience Design: Designing with Interactive Technologies to Support Transformative Experiences

- Alexandra Kitson (*Simon Fraser University, Surrey, Canada*)
- Elizabeth Buie (*Sigma Consulting Solutions Ltd, Cambridge, United Kingdom*)
- Ekaterina R Stepanova (*Simon Fraser University, Surrey, Canada*)
- Alice Chirico (*Università Cattolica di Milano, Milan, Italy*)
- Bernhard E. Riecke (*Simon Fraser University, Surrey, Canada*)
- Andrea Gaggioli (*Università Cattolica di Milano, Milan, Italy*)

Wednesday - 15:20 - 16:00

Break: Break and Interactivity

Wednesday - 15:20 - 16:00 Room: Hall 4

Interactivity: Interactivity

Wednesday - 15:20 - 16:00 Room: Hall 4

INT001: ScaleDial: A Novel Tangible Device for Teaching Musical Scales & Triads

- Konstantin Klamka (*Technische Universität Dresden, Dresden, Germany*)
- Jannik Wojnar (*Technische Universität Dresden, Dresden, Germany*)
- Raimund Dachsel (*Technische Universität Dresden, Dresden, Germany*)

INT002: ClassBeacons: Enhancing Reflection-in-Action of Teachers through Spatially Distributed Ambient Information

- Pengcheng An (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Saskia Bakker (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Sara Ordanovski (*Utrecht University, Utrecht, Netherlands*)
- Ruurd Taconis (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Chris L. E. Paffen (*Utrecht University, Utrecht, Netherlands*)
- Berry Eggen (*Eindhoven University of Technology, Eindhoven, Netherlands*)

INT003: Physical Programming for Blind and Low Vision Children at Scale

- Nicolas Villar (*Microsoft Research, Redmond, WA, USA*)
- Cecily Morrison (*Microsoft Research, Cambridge, United Kingdom*)
- Daniel Cletheroe (*Microsoft Research, Cambridge, United Kingdom*)
- Tim Regan (*Microsoft Research, Cambridge, United Kingdom*)
- Anja Thieme (*Microsoft Research, Cambridge, United Kingdom*)
- Greg Saul (*Microsoft Research, Cambridge, United Kingdom*)

INT004: StringTouch: A Scalable Low-Cost Concept for Deformable Interfaces

- Beat Rossmly (*LMU University of Munich, Munich, Germany*)
- Alexander Wiethoff (*LMU University of Munich, Munich, Germany*)

INT005: Tangible Interactions with Acoustic Levitation

- Asier Marzo (*Universidad Publica de Navarra, Pamplona, Spain*)
- Steven Kockaya (*University of Bristol, Bristol, United Kingdom*)
- Euan Freeman (*University of Glasgow, Glasgow, United Kingdom*)
- Julie Williamson (*University of Glasgow, Glasgow, United Kingdom*)

INT006: Three-in-one: Levitation, Parametric Audio, and Mid-Air Haptic Feedback

- Gözel Shakeri (*University of Glasgow, Glasgow, United Kingdom*)
- Euan Freeman (*University of Glasgow, Glasgow, United Kingdom*)
- William Frier (*Ultrahaptics Ltd., Bristol, United Kingdom*)
- Michele Iodice (*UltrahapticsUltrahaptics Ltd., Bristol, United Kingdom*)
- Benjamin Long (*Ultrahaptics Ltd., Bristol, United Kingdom*)
- Orestis Georgiou (*Ultrahaptics Ltd., Bristol, United Kingdom*)
- Carl Andersson (*Chalmers University of Technology, Gothenburg, Sweden*)

INT007: Demonstration of Refinity: An Interactive Holographic Signage for New Retail Shopping Experience

- Jin Ryong Kim (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
- Stephanie Chan (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
- Xiangchao Huang (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
- Kenneth Ng (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
- Limin Paul Fu (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)
- Chen Zhao (*Alibaba DAMO Academy, Sunnyvale, CA, USA*)

INT008: Multimodal Representation of Complex Spatial Data

- Hrishikesh Rao (*University of Michigan, Ann Arbor, MI, USA*)
- Sile O'Modhrain (*University of Michigan, Ann Arbor, MI, USA*)

INT009: Brick: A Synchronous Multiplayer Augmented Reality Game for Mobile Phones

- Po Bhattacharyya (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Yein Jo (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Ketki Jadhav (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Radha Nath (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Jessica Hammer (*Carnegie Mellon University, Pittsburgh, PA, USA*)

INT010: Towards Evidence-informed Design Principles for Adaptive Reading Games

- Manolis Mavrikis (*University College London, London, United Kingdom*)
- Asimina Vasalou (*University College London, London, United Kingdom*)
- Laura Benton (*University College London, London, United Kingdom*)
- Chrysanthi Raftopoulou (*National Technical University of Athens, Athens, Greece*)
- Antonios Symvonis (*National Technical University of Athens, Athens, Greece*)
- Kostas Karpouzis (*National Technical University of Athens, Athens, Greece*)
- Drew Wilkins (*Fish in a Bottle, Leamington Spa, United Kingdom*)

INT011: 'In the Same Boat',: A Game of Mirroring Emotions for Enhancing Social Play

- Raquel Breejon Robinson (*University of Saskatchewan, Saskatoon, Canada*)
- Elizabeth Reid (*University of Saskatchewan, Saskatoon, Canada*)
- Ansgar E. Depping (*University of Saskatchewan, Saskatoon, Canada*)
- Regan Mandryk (*University of Saskatchewan, Saskatoon, Canada*)
- James Collin Fey (*University of California, Santa Cruz, Santa Cruz, CA, USA*)
- Katherine Isbister (*University of California, Santa Cruz, Santa Cruz, CA, USA*)

INT012: Slackliner 2.0: Real-time Training Assistance through Life-size Feedback

- Christian Murlowski (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)
- Florian Daiber (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)
- Felix Kosmalla (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)
- Antonio Krüger (*DFKI, Saarland Informatics Campus, Saarbrücken, Germany*)

INT013: Playing Beyond the Front Room: Designing for Social Play in Ola De La Vida

- Lynn H. C. Love (*Abertay University, Dundee, United Kingdom*)
- Mona Bozdog (*Abertay University, Dundee, United Kingdom*)

INT014: Crushed it!: Interactive Floor Demonstration

- Rina R. Wehbe (*University of Waterloo, Waterloo, Canada*)
- Kai Bornemann (*Otto-von-Guericke Universität, Magdeburg, Germany*)
- Benjamin Hatscher (*Otto-von-Guericke Universität, Magdeburg, Germany*)
- Joseph Tu (*University of Waterloo, Waterloo, Canada*)
- Lisa F. Cormier (*University of Waterloo, Waterloo, Canada*)
- Christian Hansen (*Otto-von-Guericke Universität, Magdeburg, Germany*)
- Edward Lank (*University of Waterloo, Waterloo, Canada*)
- Lennart E. Nacke (*University of Waterloo, Waterloo, Canada*)

INT015: FoldTronics Demo: Creating 3D Objects with Integrated Electronics Using Foldable Honeycomb Structures

- Junichi Yamaoka (*Massachusetts Institute of Technology & University of Tokyo, Cambridge, MA, USA*)
- Mustafa Doga Dogan (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Katarina Bulovic (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Kazuya Saito (*University of Tokyo, Bunkyo-ku, Japan*)
- Yoshihiro Kawahara (*University of Tokyo, Bunkyo-ku, Japan*)
- Yasuaki Takehi (*University of Tokyo, Bunkyo-ku, Japan*)
- Stefanie Mueller (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

INT016: Demonstrating Kyub: A 3D Editor for Modeling Sturdy Laser-Cut Objects

- Patrick Baudisch (*Hasso Plattner Institute, Potsdam, Germany*)
- Arthur Silber (*Hasso Plattner Institute, Potsdam, Germany*)
- Yannis Kommana (*Hasso Plattner Institute, Potsdam, Germany*)
- Milan Gruner (*Hasso Plattner Institute, Potsdam, Germany*)
- Ludwig Wall (*Hasso Plattner Institute, Potsdam, Germany*)
- Kevin Reuss (*Hasso Plattner Institute, Potsdam, Germany*)
- Lukas Heilmann (*Hasso Plattner Institute, Potsdam, Germany*)
- Robert Kovacs (*Hasso Plattner Institute, Potsdam, Germany*)
- Daniel Rechlitz (*Hasso Plattner Institute, Potsdam, Germany*)
- Thijs Roumen (*Hasso Plattner Institute, Potsdam, Germany*)

INT017: Digital Fabrication of Soft Actuated Objects by Machine Knitting

- Lea Albaugh (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Scott Hudson (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Lining Yao (*Carnegie Mellon University, Pittsburgh, PA, USA*)

INT018: Painting with CATS: Camera-Aided Texture Synthesis

- Ticha Sethapakdi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- James McCann (*Carnegie Mellon University, Pittsburgh, PA, USA*)

INT019: Flowboard: A Visual Flow-Based Programming Environment for Embedded Coding

- Anke Broucker (*RWTH Aachen University, Aachen, Germany*)
- Simon Voelker (*RWTH Aachen University, Aachen, Germany*)
- Tony Zelun Zhang (*RWTH Aachen University, Aachen, Germany*)
- Mathis Müller (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)

INT020: Live Programming By Example

- Mark Santolucito (*Yale University, New Haven, CT, USA*)
- William T. Hallahan (*Yale University, New Haven, CT, USA*)
- Ruzica Piskac (*Yale University, New Haven, CT, USA*)

INT021: Dynamic Depth-of-Field Projection for 3D Projection Mapping

- Lihui Wang (*University of Tokyo, Tokyo, Japan*)
- Hongjin Xu (*University of Tokyo, Tokyo, Japan*)
- Yunpu Hu (*University of Tokyo, Tokyo, Japan*)
- Satoshi Tabata (*University of Tokyo, Tokyo, Japan*)
- Masatoshi Ishikawa (*University of Tokyo, Bunkyo-ku, Japan*)

INT022: Demonstration of Springlets: Expressive, Flexible and Silent On-Skin Tactile Interfaces

- Nur Al-huda Hamdan (*RWTH Aachen University, Aachen, Germany*)
- Adrian Wagner (*RWTH Aachen University, Aachen, Germany*)
- Simon Voelker (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)
- Jürgen Steimle (*Saarland University, Saarland Informatics Campus, Saarbrücken, Germany*)

INT023: A Sensing Technique for Data Glove Using Conductive Fiber

- Ryosuke Takada (*University of Tsukuba, Tsukuba, Japan*)
- Junichiro Kadomoto (*The University of Tokyo, Hongo, Japan*)
- Buntarou Shizuki (*University of Tsukuba, Tsukuba, Japan*)

INT024: LUNE: Representing Lunar Day by Displayed Lighting Object

- Sung ho Lee (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
- Seong beom Kim (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
- Byoung hern Kim (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)
- Hui sung Lee (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*)

INT025: Bear & Co: Simulating Value Conflicts in IoT Development

- Annelie Berner (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)
- Monica Seyfried (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)
- Calle Nordenskjöld (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)

- Peter Kuhberg (*Copenhagen Institute of Interaction Design, Copenhagen, Denmark*)
- Irina Shklovski (*IT University of Copenhagen, Copenhagen, Denmark*)
- INT026: An Exploration of Responsive and Emotive Wearables through Research Prototyping**
 - Rain Ashford (*Goldsmiths, University of London, London, United Kingdom*)
- INT027: Being-in-the-Gallery**
 - Rhoda Ellis (*Biome Collective, Dundee, United Kingdom*)
- INT028: Hypercept: Speculating the Visual World Intervened by Digital Media**
 - Jiabao Li (*Harvard Graduate School of Design, Cambridge, MA, USA*)
 - Honghao Deng (*Harvard Graduate School of Design, Cambridge, MA, USA*)
 - Panagiotis Michalatos (*Harvard Graduate School of Design, Cambridge, MA, USA*)
- INT029: Twenty Years of The Mixed Reality Laboratory**
 - Paul Tennent (*University of Nottingham, Nottingham, United Kingdom*)
 - Steve Benford (*University of Nottingham, Nottingham, United Kingdom*)
- INT030: Come Hither to Me: Performance of a Seductive Robot**
 - Sahar Sajadieh (*University of California, Santa Barbara, Santa Barbara, CA, USA*)
 - Hannah Wolfe (*University of California, Santa Barbara, Santa Barbara, CA, USA*)
- INT031: Eyes: Iris Sonification and Interactive Biometric Art**
 - Yoon Chung Han (*San Jose State University, San Jose, CA, USA*)
 - Praful Surve (*California State University, Fullerton, Fullerton, CA, USA*)
- INT032: Hybrid Dandelion: Visual Aesthetics of Performance Through Bionic Mechanism with Data from Facial Biometric Recognition**
 - Scottie Chih-Chieh Huang (*National Tsing Hua University, Hsinchu, Taiwan Roc*)
 - Chung-Yun Hsiao (*National Chiao Tung University, Hsinchu, Taiwan Roc*)
- INT033: Death Ground**
 - Christos Michalakos (*Abertay University, Dundee, United Kingdom*)
 - Bernt Isak Wærstad (*Norwegian University of Science and Technology, Trondheim, Norway*)
- INT034: Keycube is a Kind of Keyboard (k^(3))**
 - Damien Brun (*Université TÉLUQ, Montréal, Canada*)
 - Charles Gouin-Vallerand (*Université TÉLUQ, Montreal, Canada*)
 - Sébastien George (*Le Mans Université, Le Mans, France*)
- INT035: Demonstration of Transcalibur: A VR Controller that Presents Various Shapes of Handheld Objects**
 - Jotaro Shigeyama (*University of Tokyo, Bunkyo-ku, Japan*)
 - Takeru Hashimoto (*University of Tokyo, Bunkyo-ku, Japan*)
 - Shigeo Yoshida (*University of Tokyo, Bunkyo-ku, Japan*)
 - Takuji Narumi (*University of Tokyo, Bunkyo-ku, Japan*)
 - Tomohiro Tanikawa (*University of Tokyo, Bunkyo-ku, Japan*)
 - Michitaka Hirose (*University of Tokyo, Bunkyo-ku, Japan*)
- INT036: VRChairRacer: Using an Office Chair Backrest as a Locomotion Technique for VR Racing Games**
 - Julius von Willich (*TU Darmstadt, Darmstadt, Germany*)
 - Dominik Schön (*TU Darmstadt, Darmstadt, Germany*)
 - Sebastian Günther (*TU Darmstadt, Darmstadt, Germany*)
 - Florian Müller (*TU Darmstadt, Darmstadt, Germany*)
 - Max Mühlhäuser (*TU Darmstadt, Darmstadt, Germany*)
 - Markus Funk (*TU Darmstadt, Darmstadt, Germany*)
- INT037: Demonstrating VRBox: A Virtual Reality Augmented Sandbox**
 - Dmitry Alexandrovsky (*University of Bremen, Bremen, Germany*)
 - Tanja Döring (*University of Bremen, Bremen, Germany*)
 - Susanne Putze (*University of Bremen, Bremen, Germany*)
 - Thomas Fröhlich (*University of Bremen, Bremen, Germany*)
 - Timo Stabbert (*University of Bremen, Bremen, Germany*)
 - Rainer Malaka (*University of Bremen, Bremen, Germany*)
- INT039: A Virtual Reality Experience for Learning Languages**
 - Sarah Garcia (*University of South Florida, Tampa, Florida, USA*)
 - Ronald Kauer (*University of South Florida, Tampa, Florida, USA*)
 - Denis Laesker (*University of South Florida, Tampa, Florida, USA*)
 - Jason Nguyen (*University of South Florida, Tampa, Florida, USA*)
 - Marvin Andujar (*University of South Florida, Tampa, Florida, USA*)
- INT040: Experiencing a Mirrored World with Geotagged Social Media in Geollery**
 - Ruofei Du (*University of Maryland, College Park, College Park, Maryland, USA*)
 - David Li (*University of Maryland, College Park, College Park, Maryland, USA*)
 - Amitabh Varshney (*University of Maryland, College Park, College Park, Maryland, USA*)
- INT041: Egocentric Smaller-person Experience through a Change in Visual Perspective**
 - Jun Nishida (*University of Chicago, Chicago, Illinois, USA*)
 - Soichiro Matsuda (*University of Tsukuba, Tsukuba, Japan*)
 - Mika Oki (*University of Tsukuba, Tsukuba city, Japan*)
 - Hikaru Takatori (*University of Tsukuba, Tsukuba, Japan*)
 - Kosuke Sato (*University of Tsukuba, Ibaraki, Japan*)
 - Kenji Suzuki (*University of Tsukuba, Tsukuba, Japan*)
- INT042: Demonstration of SeeingVR: A Set of Tools to Make Virtual Reality More Accessible to People with Low Vision**
 - Yuhang Zhao (*Microsoft Research & Cornell Tech, New York, New York, USA*)
 - Edward Cutrell (*Microsoft Research, Redmond, Washington, USA*)

- Christian Holz (*Microsoft Research, Redmond, Washington, USA*)
- Meredith Ringel Morris (*Microsoft Research, Redmond, Washington, USA*)
- Eyal Ofek (*Microsoft Research, Redmond, Washington, USA*)
- Andrew D. Wilson (*Microsoft Research, Redmond, Washington, USA*)

INT043: Immersive VR Exergames for Health and Wellbeing

- Kiran Ijaz (*The University of Sydney, Sydney, Australia*)
- Yifan Wang (*The University of Sydney, Sydney, Australia*)
- Naseem Ahmadpour (*The University of Sydney, Sydney, Australia*)
- Rafael A. Calvo (*The University of Sydney, Sydney, Australia*)

INT044: Multisensory Virtual Environment for Fire Evacuation Training

- Tommy Nilsson (*University of Nottingham, Nottingham, United Kingdom*)
- Tessa Roper (*University of Nottingham, Nottingham, United Kingdom*)
- Emily Shaw (*University of Nottingham, Nottingham, United Kingdom*)
- Glyn Lawson (*University of Nottingham, Nottingham, United Kingdom*)
- Sue V. G. Cobb (*University of Nottingham, Nottingham, United Kingdom*)
- Hsieh Meng-Ko (*University of Nottingham, Nottingham, United Kingdom*)
- Daniel Miller (*University of Nottingham, Nottingham, United Kingdom*)
- James Khan (*University of Nottingham, Nottingham, United Kingdom*)

INT045: 3D Positional Movement Interaction with User-Defined, Virtual Interface for Music Software: MoveMIDI

- Timothy Arterbury (*Baylor University, Waco, TX, USA*)
- G. Michael Poor (*Baylor University, Waco, TX, USA*)

INT046: Are Drones Meditative?

- Joseph La Delfa (*RMIT University, Melbourne, Australia*)
- Mehmet Aydin Baytas (*Qualisys AB, Gothenburg, Sweden*)
- Olivia Wichtowski (*RMIT University, Melbourne, Australia*)
- Rohit Ashok Khot (*RMIT University, Melbourne, Australia*)
- Florian Floyd Mueller (*RMIT University, Melbourne, Australia*)

INT047: iScream!: Towards the Design of Playful Gustosonic Experiences with Ice Cream

- Yan Wang (*RMIT University, Melbourne, Australia*)
- Zhuying Li (*RMIT University, Melbourne, Australia*)
- Robert Jarvis (*RMIT University, Melbourne, Australia*)
- Rohit Ashok Khot (*RMIT University, Melbourne, Australia*)
- Florian 'Floyd' Mueller (*RMIT University, Melbourne, Australia*)

INT048: Augmenting Circle Dance with Physical Computing

- Hanif Baharin (*Universiti Kebangsaan Malaysia, Bangi, Malaysia*)
- Hafiz Mastro (*AHM Strategies, Rawang, Malaysia*)

INT049: Movie+: Towards Exploring Social Effects of Emotional Fingerprints for Video Clips and Movies

- Anton Fedosov (*Università della Svizzera italiana, Lugano, Switzerland*)
- Bianca Stancu (*Università della Svizzera italiana, Lugano, Switzerland*)
- Elena Di Lascio (*Università della Svizzera italiana, Lugano, Switzerland*)
- Davide Eynard (*Università della Svizzera italiana, Lugano, Switzerland*)
- Marc Langheinrich (*Università della Svizzera italiana, Lugano, Switzerland*)

INT050: PhotoFlow in Action: Picture-Mediated Reminiscence Supporting Family Socio-Connectivity

- Benett Axtell (*University of Toronto, Toronto, Canada*)
- Cosmin Munteanu (*University of Toronto & University of Toronto Mississauga, Mississauga, Canada*)

Late-Breaking Work: Poster Rotation 2

Wednesday - 15:20 - 16:00 Room: Hall 4

LBW0119: Task Influence on Perceptions of a Person-Following Robot and Following-Angle Preferences

- Shanee Honig (*Ben-Gurion University of the Negev, Be'er Sheva, Israel*)
- Hanan Zaichyk (*Ben-Gurion University of the Negev, Be'er Sheva, Israel*)
- Yael Edan (*Ben-Gurion University of the Negev, Beer sheva, Israel*)
- Tal Oron-Gilad (*Ben Gurion University of the Negev, Beer Sheva, Israel*)

Poster location: Board 8, Poster 15

LBW0211: Distributed User-Generated Card Based Co-Design: A Case-Study

- Roos Voorend (*KU Leuven, Leuven, Belgium*)
- Jan Derboven (*KU Leuven, Leuven, Belgium*)
- Karin Slegers (*KU Leuven & Tilburg University, Tilberg, Netherlands*)

Poster location: Board 1, Poster 2

LBW0212: Augmented Reality for Early Alzheimer's Disease Diagnosis

- Alla Vovk (*Microsoft Research, Cambridge, United Kingdom*)
- Ameera Patel (*Microsoft Research, Cambridge, United Kingdom*)
- Dennis Chan (*University of Cambridge, Cambridge, United Kingdom*)

Poster location: Board 1, Poster 3

LBW0213: The Point-of-Choice Prompt or the Always-On Progress Bar? A Pilot Study of Reminders for Prolonged Sedentary Behavior Change

- Yunlong Wang (*University of Konstanz, Konstanz, Germany*)
- Harald Reiterer (*University of Konstanz, Konstanz, Germany*)

Poster location: Board 1, Poster 4

LBW0214: SMART 2.0: A Multimodal Weight Loss Intervention for Young Adults

- Lisa M. Grega (*University of California, San Diego, La Jolla, CA, USA*)
- Nadir Weibel (*University of California, San Diego, La Jolla, CA, USA*)

- Shadia J. Assi (*University of California, San Diego, La Jolla, CA, USA*)
- Natalie M. Golaszewski (*University of California San Diego, La Jolla, CA, USA*)
- Eric B. Hekler (*University of California, San Diego, San Diego, CA, USA*)
- Job G. Godino (*University of California, San Diego, La Jolla, CA, USA*)

Poster location: Board 1, Poster 5

LBW0215: Designing Family-Centered Aids for the Intensive Care Unit

- Janet Johnson (*University of California, San Diego, La Jolla, CA, USA*)
- Evan Schmitz (*University of California, San Diego, La Jolla, CA, USA*)
- Venkatesh Ramnath (*University of California, San Diego, La Jolla, CA, USA*)
- Nadir Weibel (*University of California, San Diego, La Jolla, CA, USA*)

Poster location: Board 1, Poster 6

LBW0216: Facebook for Support versus Facebook for Research: The Case of Miscarriage

- Mona Y. Alqassim (*University of Edinburgh, Edinburgh, United Kingdom*)
- K. Cassie Kresnye (*Indiana University, Bloomington, IN, USA*)
- Katie A. Siek (*Indiana University, Bloomington, IN, USA*)
- Maria K. Wolters (*University of Edinburgh & Alan Turing Institute, Edinburgh, United Kingdom*)

Poster location: Board 1, Poster 7

LBW0217: Socializing via a Scarf: Individuals with Intellectual and Developmental Disabilities Explore Smart Textiles

- Annuska Zolyomi (*University of Washington, Seattle, WA, USA*)
- Taylor Gotfrid (*Rochester Institute of Technology, Rochester, NY, USA*)
- Kristen Shinohara (*Rochester Institute of Technology, Rochester, NY, USA*)

Poster location: Board 1, Poster 8

LBW0218: MojiBoard: Generating Parametric Emojis with Gesture Keyboards

- Jessalyn Alvina (*University of British Columbia & LRI, Univ. Paris-Sud, CNRS, Inria, Université Paris-Saclay., Vancouver, Canada*)
- Chengcheng Qu (*Lancaster University & LRI, Univ. Paris-Sud, CNRS, Inria, Université Paris-Saclay., Lancaster, United Kingdom*)
- Joanna McGrenere (*University of British Columbia, Vancouver, Canada*)
- Wendy E. Mackay (*Univ. Paris-Sud, CNRS, Inria, Université Paris-Saclay, Orsay, France*)

Poster location: Board 1, Poster 17

LBW0219: 3D Positional Movement Interaction with User-Defined, Virtual Interface for Music Software: MoveMIDI

- Timothy Arterbury (*Baylor University, Waco, TX, USA*)
- G. Michael Poor (*Baylor University, Waco, TX, USA*)

Poster location: Board 1, Poster 10

LBW0221: The 'Magic Paradigm' for Programming Smart Connected Devices

- Florian Güldenpfennig (*New Design University, St. Pölten, Austria*)
- Daniel Dudo (*TU Wien, Wien, Austria*)
- Peter Purgathofer (*TU Wien, Vienna, Austria*)

Poster location: Board 2, Poster 2

LBW0222: Exploring Configuration of Mixed Reality Spaces for Communication

- Zhenyi He (*New York University, New York, NY, USA*)
- Karl Toby Rosenberg (*New York University, New York, NY, USA*)
- Ken Perlin (*New York University, New York, NY, USA*)

Poster location: Board 2, Poster 3

LBW0223: Ohmic-Sticker: Force-to-Motion Type Input Device for Capacitive Touch Surface

- Kaori Ikematsu (*Ochanomizu University, Tokyo, Japan*)
- Masaaki Fukumoto (*Microsoft Research, Beijing, China*)
- Itiro Siio (*Ochanomizu University, Tokyo, Japan*)

Poster location: Board 2, Poster 4

LBW0224: One-handed Rapid Text Selection and Command Execution Method for Smartphones

- Toshiyuki Ando (*University of Tsukuba, Tsukuba, Japan*)
- Toshiya Isomoto (*University of Tsukuba, Tsukuba, Japan*)
- Buntarou Shizuki (*University of Tsukuba, Tsukuba, Japan*)
- Shin Takahashi (*University of Tsukuba, Tsukuba, Japan*)

Poster location: Board 2, Poster 5

LBW0225: Assessing the Feasibility of Speech-Based Activity Recognition in Dynamic Medical Settings

- Swathi Jagannath (*Drexel University, Philadelphia, PA, USA*)
- Aleksandra Sarcevic (*Drexel University, Philadelphia, PA, USA*)
- Neha Kamireddi (*Drexel University, Philadelphia, PA, USA*)
- Ivan Marsic (*Rutgers University, Piscataway, NJ, USA*)

Poster location: Board 2, Poster 6

LBW0226: Are You There? Identifying Unavailability in Mobile Messaging

- Pranut Jain (*University of Pittsburgh, Pittsburgh, PA, USA*)
- Rosta Farzan (*University of Pittsburgh, Pittsburgh, PA, USA*)
- Adam J. Lee (*University of Pittsburgh, Pittsburgh, PA, USA*)

Poster location: Board 2, Poster 7

LBW0227: Older Adults as Makers of Custom Electronics: Iterating on Craftec

- Ben Jelen (*Indiana University, Bloomington, IN, USA*)
- Susan Monsey (*Indiana University, Bloomington, IN, USA*)
- Katie A. Siek (*Indiana University, Bloomington, IN, USA*)

Poster location: Board 2, Poster 8

LBW0228: Takeover and Handover Requests using Non-Speech Auditory Displays in Semi-Automated Vehicles

- Kyle Kutchek (*Michigan Technological University, Houghton, MI, USA*)
- Myounghoon Jeon (*Virginia Tech, Blacksburg, VA, USA*)

Poster location: Board 2, Poster 9

LBW0229: Multimodal Displays for Take-over in Level 3 Automated Vehicles while Playing a Game

- Myounghoon Jeon (*Virginia Tech, Blacksburg, VA, USA*)

Poster location: Board 2, Poster 10

LBW0231: From Motions to Emotions: Classification of Affect from Dance Movements using Deep Learning

- Sukumar Karumuri (*University of Genoa, Genoa, Italy*)
- Radoslaw Niewiadomski (*University of Genoa, Genoa, Italy*)
- Gualtiero Volpe (*University of Genoa, Genova, Italy*)
- Antonio Camurri (*University of Genoa, Genoa, Italy*)

Poster location: Board 3, Poster 2

LBW0232: WONDER -- Enhancing VR Training with Electrical Muscle Stimulation

- Max Pfeiffer (*University of Munster, Münster, Germany*)
- Tobias Kröger (*University of Münster, Münster, Germany*)
- Jens Seifert (*University of Münster, Münster, Germany*)
- Sulaxan Somaskantharajan (*University of Münster, Münster, Germany*)
- Lukas Jahnich (*University of Münster, Münster, Germany*)
- Tobias Steinblum (*University of Münster, Münster, Germany*)
- Jan Speckamp (*University of Münster, Münster, Germany*)
- Samuel Navas Medrano (*University of Münster, Münster, Germany*)

Poster location: Board 3, Poster 3

LBW0233: Exploring Word-gesture Text Entry Techniques in Virtual Reality

- Sibo Chen (*University of California, Berkeley & Chinese University of Hong Kong, Shenzhen, Berkeley, CA, USA*)
- Junce Wang (*University of California, Berkeley & Chinese University of Hong Kong, Shenzhen, Berkeley, CA, USA*)
- Santiago Guerra (*University of California, Berkeley, Berkeley, CA, USA*)
- Neha Mittal (*University of California, Berkeley, Berkeley, CA, USA*)
- Soravis Prakkamakul (*University of California, Berkeley, Berkeley, CA, USA*)

Poster location: Board 3, Poster 4

LBW0234: YourAd: A User Aligned, Personal Advertising System

- David Ramsay (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Joseph A. Paradiso (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

Poster location: Board 3, Poster 5

LBW0235: Paralympic VR Game: Immersive Game using Virtual Reality and Video

- Raquel Macedo (*Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal*)
- Nuno Correia (*Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal*)
- Teresa Romão (*Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal*)

Poster location: Board 3, Poster 6

LBW0236: Using Social Platforms to Increase Engagement in Teaching Computer Programming

- Aderonke Busayo Sakpere (*University of Ibadan, Ibadan, Nigeria*)

Poster location: Board 3, Poster 7

LBW0237: Cyborg Botany: Exploring In-Planta Cybernetic Systems for Interaction

- Harpreet Sareen (*Parsons School of Design, New York, NY, USA*)
- Pattie Maes (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

Poster location: Board 3, Poster 8

LBW0238: Towards Understanding Interactions with Multi-Touch Spherical Displays

- Nikita Soni (*University of Florida, Gainesville, FL, USA*)
- Sayli Bapat (*Maharashtra Institute of Technology, Pune, India*)
- Schuyler Gleaves (*University of Florida, Gainesville, FL, USA*)
- Alice Darrow (*University of Florida, Gainesville, FL, USA*)
- Carrie Schuman (*University of Florida, Gainesville, FL, USA*)
- Hannah Neff (*University of Florida, Gainesville, FL, USA*)
- Peter Chang (*University of Florida, Gainesville, FL, USA*)
- Kathryn A. Stofer (*University of Florida, Gainesville, FL, USA*)
- Lisa Anthony (*University of Florida, Gainesville, FL, USA*)

Poster location: Board 3, Poster 9

LBW0239: Controlling Temporal Change of a Beverage's Taste Using Electrical Stimulation

- Saraha Ueno (*Meiji University, Tokyo, Japan*)
- Kazuma Aoyama (*The University of Tokyo, Tokyo, Japan*)
- Hiromi Nakamura (*Meiji University, Tokyo, Japan*)
- Homei Miyashita (*Meiji University, Tokyo, Japan*)

Poster location: Board 3, Poster 10

LBW0241: Ways of Qualitative Coding: A Case Study of Four Strategies for Resolving Disagreements

- Bonnie Chinh (*University of Washington, Seattle, WA, USA*)
- Himanshu Zade (*University of Washington, Seattle, WA, USA*)
- Abbas Ganji (*University of Washington, Seattle, WA, USA*)
- Cecilia Aragon (*University of Washington, Seattle, WA, USA*)

Poster location: Board 4, Poster 2

LBW0242: Feeling-of-Safety Slider: Measuring Pedestrian Willingness to Cross Roads in Field Interactions with Vehicles

- Francesco Walker (*University of Twente, Enschede, Netherlands*)
- Debargha Dey (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Marieke Martens (*University of Twente, Enschede, Netherlands*)
- Bastian Pflöging (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Berry Eggen (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Jacques Terken (*Eindhoven University of Technology, Eindhoven, Netherlands*)

Poster location: Board 4, Poster 3

LBW0243: The Impact of Placebic Explanations on Trust in Intelligent Systems

- Malin Eiband (*LMU Munich, Munich, Germany*)
- Daniel Buschek (*LMU Munich, Munich, Germany*)
- Alexander Kremer (*LMU Munich, Munich, Germany*)
- Heinrich Hussmann (*LMU Munich, Munich, Germany*)

Poster location: Board 4, Poster 4

LBW0244: Can Privacy-Aware Lifelogs Alter Our Memories?

- Passant Elagroudy (*University of Stuttgart, Stuttgart, Germany*)
- Mohamed Khamis (*University of Glasgow, Glasgow, United Kingdom*)
- Florian Mathis (*LMU Munich, Munich, Germany*)
- Diana Irmischer (*LMU Munich, Munich, Germany*)
- Andreas Bulling (*University of Stuttgart, Stuttgart, Germany*)
- Albrecht Schmidt (*LMU Munich, Munich, Germany*)

Poster location: Board 4, Poster 5

LBW0245: Robots are Always Social: Robotic Movements are Automatically Interpreted as Social Cues

- Hadas Erel (*The Interdisciplinary Center (IDC) Herzliya, Herzliya, Israel*)
- Tzachi Shem Tov (*The Interdisciplinary Center (IDC) Herzliya, Herzliya, Israel*)
- Yoav Kessler (*Ben-Gurion University of the Negev, Beer Sheva, Israel*)
- Oren Zuckerman (*The Interdisciplinary Center (IDC) Herzliya, Herzliya, Israel*)

Poster location: Board 4, Poster 6

LBW0246: The Role of HCI in Reproducible Science: Understanding, Supporting and Motivating Core Practices

- Sebastian S. Feger (*LMU Munich & CERN, Munich, Germany*)
- Sünje Dallmeier-Tiessen (*CERN, Geneva, Switzerland*)
- Paweł W. Woźniak (*Utrecht University, Utrecht, Netherlands*)
- Albrecht Schmidt (*LMU Munich, Munich, Germany*)

Poster location: Board 4, Poster 7

LBW0247: Accessible Instruments in the Wild: Engaging with a Community of Learning-Disabled Musicians

- Jacob Harrison (*Queen Mary University of London, London, United Kingdom*)
- Alan Chamberlain (*University of Nottingham, Nottingham, United Kingdom*)
- Andrew P. McPherson (*Queen Mary University of London, London, United Kingdom*)

Poster location: Board 4, Poster 8

LBW0248: Designing the Next Generation of Activity Trackers for Performance Sports: Insights from Elite Tennis Coaches

- Hayati Havlucu (*Koç University, Istanbul, Turkey*)
- Aykut Coşkun (*Koç University, Istanbul, Turkey*)
- Oğuzhan Özcan (*Koç University, Istanbul, Turkey*)

Poster location: Board 4, Poster 9

LBW0249: DIY Community WiFi Networks: Insights on Participatory Design

- Michael Smyth (*Edinburgh Napier University, Edinburgh, United Kingdom*)
- Ingi Helgason (*Edinburgh Napier University, Edinburgh, United Kingdom*)

Poster location: Board 4, Poster 10

LBW0251: Trail of Hacks: Poster Co-Design as a Tool for Collaborative Reflection

- Janis Lena Meissner (*Newcastle University, Newcastle Upon Tyne, United Kingdom*)
- Nicholas Packham (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- Norman Platt (*Newcastle University, Newcastle Upon Tyne, United Kingdom*)
- Peter Wright (*Newcastle University, Newcastle upon Tyne, United Kingdom*)

Poster location: Board 5, Poster 2

LBW0252: Chats with Bots: Balancing Imitation and Engagement

- Andreea Muresan (*University of Copenhagen, Copenhagen, Denmark*)
- Henning Pohl (*University of Copenhagen, Copenhagen, Denmark*)

Poster location: Board 5, Poster 3

LBW0253: Wake-Up Task: Understanding Users in Task-based Mobile Alarm App

- Kyue Taek Oh (*Hanyang University, Ansan, Republic of Korea*)
- Jaemyung Shin (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Jaejeung Kim (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- In Suk Song (*Hanyang University, Ansan, Republic of Korea*)
- Uichin Lee (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Eunil Park (*Sungkyunkwan University, Suwon, Republic of Korea*)
- Jinyoung Han (*Hanyang University, Ansan, Republic of Korea*)
- Minsam Ko (*Hanyang University, Ansan, Republic of Korea*)

Poster location: Board 5, Poster 4

LBW0254: Push Away the Smartphone: Investigating Methods to Counter Problematic Smartphone Use

- Charlie Pinder (*Independent Researcher, Birmingham, United Kingdom*)
- Jose Ignacio Rocca (*Universidad ORT Uruguay, Montevideo, Uruguay*)
- Benjamin R. Cowan (*University College Dublin, Dublin, Ireland*)
- Russell Beale (*University of Birmingham, Birmingham, United Kingdom*)

Poster location: Board 5, Poster 5

LBW0255: "I Almost Fell in Love with a Machine": Speaking with Computers Affects Self-disclosure

- Qian Yu (*University of California, Berkeley, Berkeley, CA, USA*)
- Tonya Nguyen (*University of California, Berkeley, Berkeley, CA, USA*)
- Soravis Prakkamakul (*University of California, Berkeley, Berkeley, CA, USA*)
- Niloufar Salehi (*University of California, Berkeley, Berkeley, CA, USA*)

Poster location: Board 5, Poster 6

LBW0256: Go for GOLD: Investigating User Behaviour in Goal-Oriented Tasks

- Sarah Prange (*University of Applied Sciences Munich & LMU Munich, Munich, Germany*)
- Daniel Buschek (*LMU Munich, Munich, Germany*)
- Ken Pfeuffer (*Bundeswehr University Munich, Munich, Germany*)
- Lukas Mecke (*University of Applied Sciences Munich & LMU Munich, Munich, Germany*)
- Peter Ehrich (*LMU Munich, Munich, Germany*)
- Jens Le (*University of Applied Sciences Munich & Technical University of Munich, Munich, Germany*)
- Florian Alt (*Bundeswehr University Munich, Munich, Germany*)

Poster location: Board 5, Poster 7

LBW0257: Designing for Preregistration: A User-Centered Perspective

- Xiaoying Pu (*University of Michigan, Ann Arbor, MI, USA*)
- Licheng Zhu (*University of Michigan, Ann Arbor, MI, USA*)
- Matthew Kay (*University of Michigan, Ann Arbor, MI, USA*)
- Frederick Conrad (*University of Michigan, Ann Arbor, MI, USA*)

Poster location: Board 5, Poster 8

LBW0258: You Can't Go Your Own Way: Social Influences on Travelling Behavior

- Kevin Sanders (*KU Leuven, Leuven, Belgium*)
- David Geerts (*KU Leuven, Leuven, Belgium*)

Poster location: Board 5, Poster 9

LBW0259: Hyper Typer: A Serious Game for Measuring Mobile Text Entry Performance in the Wild

- Richard Schlögl (*TU Wien, Vienna, Austria*)
- Christoph Wimmer (*TU Wien, Vienna, Austria*)
- Thomas Grechenig (*TU Wien, Vienna, Austria*)

Poster location: Board 5, Poster 10

LBW0261: A/P(ri)vac(y) Testing: Assessing Applications for Social and Institutional Privacy

- Oshrat Ayalon (*Tel Aviv University, Tel Aviv, Israel*)
- Eran Toch (*Tel Aviv University, Tel Aviv, Israel*)

Poster location: Board 6, Poster 2

LBW0262: HappyPermi: Presenting Critical Data Flows in Mobile Application to Raise User Security Awareness

- Mehrdad Bahrini (*University of Bremen, Bremen, Germany*)
- Nina Wenig (*University of Bremen, Bremen, Germany*)
- Marcel Meissner (*University of Bremen, Bremen, Germany*)
- Karsten Sohr (*University of Bremen, Bremen, Germany*)
- Rainer Malaka (*University of Bremen, Bremen, Germany*)

Poster location: Board 6, Poster 3

LBW0264: Towards a Graph of (American) Tech Companies: A Prototype Visualization Tool for Research on Technology and Users

- Niel Chah (*University of Toronto, Toronto, Canada*)

Poster location: Board 6, Poster 4

LBW0265: Engaging Users with Educational Games: The Case of Phishing

- Matt Dixon (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Nalin Asanka Gamagedara Arachchilage (*University of New South Wales, Canberra, Australia*)
- James Nicholson (*Northumbria University, Newcastle upon Tyne, United Kingdom*)

Poster location: Board 6, Poster 5

LBW0266: Metro-Viz: Black-Box Analysis of Time Series Anomaly Detectors

- Philipp Eichmann (*Brown University, Providence, RI, USA*)
- Franco Solleza (*Brown University, Providence, RI, USA*)
- Junjay Tan (*Brown University, Providence, RI, USA*)
- Nesime Tatbul (*Intel Research & Massachusetts Institute of Technology, Boston, MA, USA*)
- Stan Zdonik (*Brown University, Providence, RI, USA*)

Poster location: Board 6, Poster 6

LBW0267: Using a Game to Explore Notions of Responsibility for Cyber Security in Organisations

- Dorota Filipczuk (*University of Southampton, Southampton, United Kingdom*)
- Charles Mason (*University of Southampton, Southampton, United Kingdom*)
- Stephen Snow (*University of Southampton, Southampton, United Kingdom*)

Poster location: Board 6, Poster 7

LBW0268: PaxVis: Visualizing Peace Agreements

- Lucy Havens (*University of Edinburgh, Edinburgh, United Kingdom*)
- Mengting Bao (*University of Edinburgh, Edinburgh, United Kingdom*)

- Larissa Pschetz (*University of Edinburgh, Edinburgh, United Kingdom*)
- Benjamin Bach (*University of Edinburgh, Edinburgh, United Kingdom*)
- Christine Bell (*The University of Edinburgh, Edinburgh, United Kingdom*)

Poster location: Board 6, Poster 8

LBW0269: What is 'Cyber Security'? Differential Language of Cyber Security Across the Lifespan

- Simon L. Jones (*University of Bath, Bath, United Kingdom*)
- Emily I. M. Collins (*University of Bath, Bath, United Kingdom*)
- Ana Levordashka (*University of Bath, Bath, United Kingdom*)
- Kate Muir (*University of Bath, Bath, United Kingdom*)
- Adam Joinson (*University of Bath, Bath, United Kingdom*)

Poster location: Board 6, Poster 9

LBW0271: "Jack-of-All-Trades": A Thematic Analysis of Conversational Agents in Multi-Device Collaboration Contexts

- Yoonjeong Cha (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Jincheul Jang (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Younghyun Hong (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Mun Yong Yi (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 7, Poster 2

LBW0272: A Preliminary Study of the Role of Language in Home Network Troubleshooting

- Amy Csizmar Dalal (*Carleton College, Northfield, MN, USA*)
- Jackie Chan (*Carleton College, Northfield, MN, USA*)
- Kirby Mitchell (*Carleton College, Northfield, MN, USA*)

Poster location: Board 7, Poster 3

LBW0273: The Impact of "Cosmetic" Changes on the Usability of Error Messages

- Tao Dong (*Google, Mountain View, CA, USA*)
- Kandarp Khandwala (*University of California, San Diego & Google, San Diego, CA, USA*)

Poster location: Board 7, Poster 4

LBW0274: Bridging the Gap Between Business, Design and Product Metrics

- Ilias Flaounas (*Atlassian, Sydney, Australia*)
- Arik Friedman (*Atlassian, Sydney, Australia*)

Poster location: Board 7, Poster 5

LBW0275: AR in the Gallery: The Psychogeographer's Table

- Juliano Franz (*Dalhousie University, Halifax, Canada*)
- Mohammed Alnusayri (*Dalhousie University, Halifax, Canada*)
- Joseph Malloch (*Dalhousie University, Halifax, Canada*)
- Akshay Gahlon (*Dalhousie University, Halifax, Canada*)
- Derek Reilly (*Dalhousie University, Halifax, Canada*)

Poster location: Board 7, Poster 6

LBW0276: Let's Chat in Alipay: Understanding Social Function Usage in Task-oriented Apps

- Jiaojiao Fu (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)
- Yangfan Zhou (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)
- Shengnan Wu (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)
- Xin Wang (*Fudan University & Shanghai Key Laboratory of Intelligent Information Processing, Shanghai, China*)

Poster location: Board 7, Poster 7

LBW0277: Magika, a Multisensory Environment for Play, Education and Inclusion

- Mirko Gelsomini (*Politecnico di Milano, Milano, Italy*)
- Giulia Cosentino (*Politecnico di Milano, Milan, Italy*)
- Micol Spitale (*Politecnico di Milano, Milano, Italy*)
- Mattia Gianotti (*Politecnico di Milano, Milano, Italy*)
- Davide Fisicaro (*Politecnico di Milano, Milan, Italy*)
- Giulia Leonardi (*Politecnico di Milano, Milan, Italy*)
- Fabiano Riccardi (*Politecnico di Milano, Milan, Italy*)
- Agnese Piselli (*Politecnico di Milano, Milan, Italy*)
- Eleonora Beccaluva (*Politecnico di Milano, Milan, Italy*)
- Barbara Bonadies (*Politecnico di Milano, Milano, Italy*)
- Lucia Di Terlizzi (*Politecnico di Milano, Milan, Italy*)
- Martino Zinzone (*Politecnico di Milano, Milan, Italy*)
- Shanti Alberti (*Politecnico di Milano, Milan, Italy*)
- Christelle Rebourg (*Politecnico di Milano, Milan, Italy*)
- Marina Carulli (*Politecnico di Milano, Milan, Italy*)
- Franca Garzotto (*Politecnico di Milano, Milan, Italy*)
- Venanzio Arquilla (*Politecnico of Milano, Milan, Italy*)
- Mario Bisson (*Politecnico di Milano, Milan, Italy*)
- Barbara Del Curto (*Politecnico di Milano, Milan, Italy*)
- Monica Bordegoni (*Politecnico di Milano, Milan, Italy*)

Poster location: Board 7, Poster 8

LBW0278: One Metric for All: Calculating Interaction Effort of Individual Widgets

- Julián Grigera (*LIFIA, Fac. de Informática, UNLP & CICPBA, La Plata, Argentina*)
- Juan Cruz Gardey (*Universidad Nacional de La Plata, La Plata, Argentina*)
- Andrés Rodríguez (*Universidad Nacional de La Plata, La Plata, Argentina*)
- Alejandra Garrido (*Universidad Nacional de La Plata, La Plata, Argentina*)
- Gustavo Rossi (*Universidad Nacional de La Plata, La Plata, Argentina*)

Poster location: Board 7, Poster 9

LBW0279: Exploring Machine Teaching for Object Recognition with the Crowd

- Jonggi Hong (*University of Maryland, College Park, MD, USA*)
- Kyungjun Lee (*University of Maryland, College Park, MD, USA*)
- June Xu (*University of Maryland, College Park, MD, USA*)
- Hernisa Kacorri (*University of Maryland, College Park, MD, USA*)

Poster location: Board 7, Poster 10

LBW0281: Negative Emotions, Positive Experience: What Are We Doing Wrong When Evaluating the UX?

- Walter T. Nakamura (*Federal University of Amazonas, Manaus, Brazil*)
- Elaine H. T. de Oliveira (*Federal University of Amazonas, Manaus, Brazil*)
- Tayana Conte (*Federal University of Amazonas, Manaus, Brazil*)

Poster location: Board 8, Poster 2

LBW0282: Investigating the Role of User's English Language Proficiency in Using a Voice User Interface: A Case of Google Home Smart Speaker

- Aung Pyae (*Swinburne University of Technology, Melbourne, Australia*)
- Paul Scifleet (*Swinburne University of Technology, Melbourne, Australia*)

Poster location: Board 8, Poster 3

LBW0283: Invisible Touch: How Identifiable are Mid-Air Haptic Shapes?

- Isa Rutten (*KU Leuven, Leuven, Belgium*)
- William Frier (*Ultrasounds, Bristol, United Kingdom*)
- Lawrence Van den Bogaert (*KU Leuven, Leuven, Belgium*)
- David Geerts (*KU Leuven, Leuven, Belgium*)

Poster location: Board 8, Poster 4

LBW0284: A Learning Design Framework to Support Children with Learning Disabilities Incorporating Gamification Techniques

- Adel Shaban (*Teesside University, Middlesbrough, United Kingdom*)
- Elaine Pearson (*Teesside University, Middlesbrough, United Kingdom*)

Poster location: Board 8, Poster 5

LBW0285: Pseudo-haptic Controls for Mid-air Finger-based Menu Interaction

- Marco Speicher (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Jan Ehrlich (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Vito Gentile (*Università degli Studi di Palermo, Palermo, Italy*)
- Donald Degraen (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Salvatore Sorce (*Università degli Studi di Palermo, Palermo, Italy*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)

Poster location: Board 8, Poster 13

LBW0286: Relax Yourself - Using Virtual Reality to Enhance Employees' Mental Health and Work Performance

- Carolin Straßmann (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Sabrina C. Eimler (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Alexander Arntz (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Dustin Keßler (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Sarah Zielinski (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Gabriel Brandenburg (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Vanessa Dümpel (*University of Applied Sciences Ruhr West, Bottrop, Germany*)
- Uwe Handmann (*University of Applied Sciences Ruhr West, Bottrop, Germany*)

Poster location: Board 8, Poster 6

LBW0287: Digital Doctors and Robot Receptionists: User Attributes that Predict Acceptance of Automation in Healthcare Facilities

- Andrew Gambino (*Penn State University, University Park, PA, USA*)
- Jinyoung Kim (*Penn State University, University Park, PA, USA*)
- S. Shyam Sundar (*Penn State University, University Park, PA, USA*)

Poster location: Board 8, Poster 7

LBW0288: Effects of Visual Enhancements and Delivery Time on Receptivity of Mobile Push Notifications

- Ravit Avraham Bahir (*Ben-Gurion University of the Negev, Beer Sheva, Israel*)
- Yisrael Parmet (*Ben-Gurion University of the Negev, Beersheva, Israel*)
- Noam Tractinsky (*Ben-Gurion University of the Negev, Beer Sheva, Israel*)

Poster location: Board 8, Poster 8

LBW0289: CooperationCaptcha: On-The-Fly Object Labeling for Highly Automated Vehicles

- Marcel Walch (*Ulm University, Ulm, Germany*)
- Mark Colley (*Ulm University, Ulm, Germany*)
- Michael Weber (*Ulm University, Ulm, Germany*)

Poster location: Board 8, Poster 9

LBW1821: SoundGlance: Briefing the Glanceable Cues of Web Pages for Screen Reader Users

- Jaeyoon Song (*Seoul National University, Seoul, Republic of Korea*)
- Kiroong Choe (*Seoul National University, Seoul, Republic of Korea*)
- Jaemin Jo (*Seoul National University, Seoul, Republic of Korea*)
- Jinwook Seo (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 1, Poster 9

LBW2110: On-road Stress Analysis for In-car Interventions During the Commute

- Stephanie Balters (*Stanford University, Stanford, CA, USA*)
- Madeline Bernstein (*Stanford University, Stanford, CA, USA*)
- Pablo E. Paredes (*Stanford University, Stanford, CA, USA*)

Poster location: Board 1, Poster 11

LBW2111: On-road Guided Slow Breathing Interventions for Car Commuters

- Stephanie Balters (*Stanford University, Stanford, CA, USA*)
- James A. Landay (*Stanford University, Stanford, CA, USA*)
- Pablo E. Paredes (*Stanford University, Stanford, CA, USA*)

Poster location: Board 1, Poster 12

LBW2112: The Effect of Rotational Jitter on 3D Pointing Tasks

- Anil Ufuk Batmaz (*Simon Fraser University, Vancouver, Canada*)
- Wolfgang Stuerzlinger (*Simon Fraser University, Vancouver, Canada*)

Poster location: Board 1, Poster 13

LBW2113: Kirigami Keyboard: Inkjet Printable Paper Interface with Kirigami Structure Presenting Kinesthetic Feedback

- Zekun Chang (*The University of Tokyo, Bunkyo-ku, Japan*)
- Heeju Kim (*The University of Tokyo, Bunkyo-ku, Japan*)
- Kunihiro Kato (*The University of Tokyo, Tokyo, Japan*)
- Kazuya Saito (*Kyushu University, Minami-ku, Japan*)
- Tung D. Ta (*The University of Tokyo, Bunkyo-ku, Japan*)
- Weiwei Jiang (*The University of Tokyo, Tokyo, Japan*)
- Koya Narumi (*The University of Tokyo, Tokyo, Japan*)
- Yoshinobu Miyamoto (*Aichi Institute of Technology, Toyota-shi, Japan*)
- Yoshihiro Kawahara (*The University of Tokyo, Bunkyo-ku, Japan*)

Poster location: Board 1, Poster 14

LBW2114: A Left-Hand Advantage: Motor Asymmetry in Touchless Input

- Pantea Habibi (*University of Illinois at Chicago, Chicago, IL, USA*)
- Debaleena Chattopadhyay (*University of Illinois at Chicago, Chicago, IL, USA*)

Poster location: Board 1, Poster 15

LBW2115: Off-Surface Tangibles: Exploring the Design Space of Midair Tangible Interaction

- Christian Cherek (*RWTH Aachen University, Aachen, Germany*)
- David Asselborn (*RWTH Aachen University, Aachen, Germany*)
- Simon Voelker (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)

Poster location: Board 1, Poster 16

LBW2116: Overgrown: Supporting Plant Growth with an Endoskeleton for Ambient Notifications

- Donald Degraen (*Intel Visual Computing Institute (IVCI), Saarbrücken, Germany*)
- Felix Kosmalla (*German Research Center for Artificial Intelligence (DFKI), Saarbrücken, Germany*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarbrücken, Germany*)

Poster location: Board 8, Poster 14

LBW2117: Towards Data-Driven Sword Fighting Experiences in VR

- Javier Dehesa (*University of Bath, Bath, United Kingdom*)
- Andrew Vidler (*Ninja Theory Ltd, Cambridge, United Kingdom*)
- Christof Lutteroth (*University of Bath, Bath, United Kingdom*)
- Julian Padget (*University of Bath, Bath, United Kingdom*)

Poster location: Board 1, Poster 18

LBW2118: JeL: Connecting Through Breath in Virtual Reality

- John Desnoyers-Stewart (*Simon Fraser University, Vancouver, Canada*)
- Ekaterina R. Stepanova (*Simon Fraser University, Surrey, Canada*)
- Philippe Pasquier (*Simon Fraser University, Surrey, Canada*)
- Bernhard E. Riecke (*Simon Fraser University, Vancouver, Canada*)

Poster location: Board 1, Poster 19

LBW2119: Towards a Framework for Validating the Matching Between Notifications and Scents in Olfactory In-Car Interaction

- Dmitrijs Dmitrenko (*University of Sussex, Brighton, United Kingdom*)
- Emanuela Maggioni (*University of Sussex, Brighton, United Kingdom*)
- Marianna Obrist (*University of Sussex, Brighton, United Kingdom*)

Poster location: Board 1, Poster 20

LBW2120: Augmented Visuotactile Feedback Support Sensorimotor Synchronization Skill for Rehabilitation

- Feng Feng (*Queen Mary University of London, London, United Kingdom*)
- Tony Stockman (*Queen Mary University of London, London, United Kingdom*)

Poster location: Board 1, Poster 21

LBW2121: Modulating Personal Audio to Convey Information

- Jamie Ferguson (*University of Glasgow, Glasgow, United Kingdom*)
- Stephen Brewster (*University of Glasgow, Glasgow, United Kingdom*)

Poster location: Board 1, Poster 22

LBW2122: Designing a Mobile Game That Develops Emotional Resiliency in Indian Country

- Morgan Vigil-Hayes (*Northern Arizona University, Flagstaff, AZ, USA*)
- Ann Futterman Collier (*Northern Arizona University, Flagstaff, AZ, USA*)
- Giovanni Castillo (*Northern Arizona University, Flagstaff, AZ, USA*)

- Davona Blackhorse (*Northern Arizona University, Flagstaff, AZ, USA*)
- Nikole Awbery (*Northern Arizona University, Flagstaff, AZ, USA*)
- John-Paul Abraham (*Northern Arizona University, Flagstaff, AZ, USA*)

Poster location: Board 1, Poster 1

LBW2210: TurtleTalk: An Educational Programming Game for Children with Voice User Interface

- Hyunhoon Jung (*NAVER Clova AI, Seongnam-si, Republic of Korea*)
- Hee Jae Kim (*NAVER Clova AI, Seoul, Republic of Korea*)
- Seongeun So (*NAVER Clova AI, Seongnam, Republic of Korea*)
- Jinjoong Kim (*NAVER Clova AI, Seongnam, Republic of Korea*)
- Changhoon Oh (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 2, Poster 11

LBW2211: OrigamiSpeaker: Handcrafted Paper Speaker with Silver Nano-Particle Ink

- Kunihiro Kato (*The University of Tokyo, Bunkyo-ku, Japan*)
- Kazuya Saito (*Kyushu University, Minami-ku, Japan*)
- Yoshihiro Kawahara (*The University of Tokyo, Bunkyo-ku, Japan*)

Poster location: Board 2, Poster 12

LBW2212: 3DTactileDraw: A Tactile Pattern Design Interface for Complex Arrangements of Actuators

- Oliver Beren Kaul (*Leibniz University Hannover (LUH), Hannover, Germany*)
- Leonard Hansing (*Leibniz University Hannover (LUH), Hannover, Germany*)
- Michael Rohs (*Leibniz University Hannover (LUH), Hannover, Germany*)

Poster location: Board 2, Poster 13

LBW2213: Audio-visual AR to Improve Awareness of Hazard Zones Around Robots

- Ane San Martín (*IK4-TEKNIKER, Eibar, Spain*)
- Johan Kildal (*IK4-TEKNIKER, Eibar, Spain*)

Poster location: Board 2, Poster 14

LBW2214: First Steps Towards Walk-In-Place Locomotion and Haptic Feedback in Virtual Reality for Visually Impaired

- Julian Kreimeier (*Nuremberg Institute of Technology, Nuremberg, Germany*)
- Timo Götzelmann (*Nuremberg Institute of Technology, Nuremberg, Germany*)

Poster location: Board 2, Poster 15

LBW2215: FabAuth: Printed Objects Identification Using Resonant Properties of Their Inner Structures

- Yuki Kubo (*Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan*)
- Kana Eguchi (*Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan*)
- Ryosuke Aoki (*Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan*)
- Shigekuni Kondo (*Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan*)
- Shozo Azuma (*Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan*)
- Takuya Indo (*Nippon Telegraph and Telephone Corporation, Yokosuka, Kanagawa, Japan*)

Poster location: Board 2, Poster 16

LBW2216: FingMag: Finger Identification Method for Smartwatch

- Keunwoo Park (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Geehyuk Lee (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 2, Poster 17

LBW2217: Improving Two-Thumb Touchpad Typing in Virtual Reality

- Jeongmin Son (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Sunggeun Ahn (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Sunbum Kim (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Geehyuk Lee (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 2, Poster 18

LBW2218: Chinese Character Learning System

- Yifan Yang (*Zhejiang University, Hangzhou, China*)
- Leijing Zhou (*University of Nottingham Ningbo China, Ningbo, China*)
- Rujian Li (*Zhejiang University, Hangzhou, China*)
- Hang Yao (*Zhejiang University, Hangzhou, China*)
- Jialu Song (*Zhejiang University, Hangzhou, China*)
- Fangtian Ying (*Wuhan University of Technology, Wuhan, China*)

Poster location: Board 2, Poster 19

LBW2219: "It sounds like she is sad": Introducing a Biosensing Prototype that Transforms Emotions into Real-time Music and Facilitates Social Interaction

- Xi Lu (*Indiana University Bloomington, Bloomington, IN, USA*)
- Xiaohang Liu (*Indiana University Bloomington, Bloomington, IN, USA*)
- Erik Stolterman Bergqvist (*Indiana University Bloomington, Bloomington, IN, USA*)

Poster location: Board 2, Poster 20

LBW2220: Vibrotactile Wristband for Warning and Guiding in Automated Vehicles

- Zhuoluo Ma (*Beijing Institute of Technology, Beijing, China*)
- Yue Liu (*Beijing Institute of Technology & Beijing Film Academy, Beijing, China*)
- Dejiang Ye (*Beijing Institute of Technology, Beijing, Beijing, China*)
- Lu Zhao (*Beijing Institute of Technology, Beijing, Beijing, China*)

Poster location: Board 2, Poster 21

LBW2221: Usability of Code Voting Modalities

- Karola Marky (*Technische Universität Darmstadt, Darmstadt, Germany*)
- Martin Schmitz (*Technische Universität Darmstadt, Darmstadt, Germany*)

- Felix Lange (*Technische Universität Darmstadt, Darmstadt, Germany*)
- Max Mühlhäuser (*Technische Universität Darmstadt, Darmstadt, Germany*)

Poster location: Board 2, Poster 22

LBW2222: Towards Augmenting IVR Communication with Physiological Sensing Data

- Ceenu George (*LMU Munich, Munich, Germany*)
- Mariam Hassib (*Bundeswehr University of Munich & LMU Munich, Munich, Germany*)

Poster location: Board 2, Poster 1

LBW2310: Byte.it: Discreet Teeth Gestures for Mobile Device Interaction

- Tomás Vega Gálvez (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Shardul Sapkota (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Alexandru Dancu (*Singapore University of Design, Singapore, Singapore*)
- Pattie Maes (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

Poster location: Board 3, Poster 11

LBW2311: Alexa, Can You Help Us Solve This Problem? How Conversations With Smart Personal Assistant Tutors Increase Task Group Outcomes

- Rainer Winkler (*University of St. Gallen, St. Gallen, Switzerland*)
- Matthias Söllner (*University of St. Gallen & University of Kassel, Kassel, Germany*)
- Maya Lisa Neuweiler (*University of St. Gallen, St. Gallen, Switzerland*)
- Flavia Conti Rossini (*University of St. Gallen, St. Gallen, Switzerland*)
- Jan Marco Leimeister (*University of St. Gallen, St. Gallen, Switzerland*)

Poster location: Board 3, Poster 12

LBW2312: "Watch Out!": Semi-Autonomous Vehicles Using Assertive Voices to Grab Distracted Drivers' Attention

- Priscilla N. Y. Wong (*UCL Interaction Centre, London, United Kingdom*)
- Duncan P. Brumby (*University College London, London, United Kingdom*)
- Harsha Vardhan Ramesh Babu (*Ustwo, London, United Kingdom*)
- Kota Kobayashi (*Ustwo, London, United Kingdom*)

Poster location: Board 3, Poster 13

LBW2313: Bubble: Wearable Assistive Grasping Augmentation Based on Soft Inflatables

- Xinlei Zhang (*The University of Tokyo & Massachusetts Institute of Technology, Tokyo, Japan*)
- Ali Shtarbanov (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Jiani Zeng (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Valerie K. Chen (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- V. Michael Bove (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Pattie Maes (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Jun Rekimoto (*The University of Tokyo, Tokyo, Japan*)

Poster location: Board 3, Poster 14

LBW2314: Design and Evaluation of a Texture Rendering Method for Electrostatic Tactile Display

- Lu Zhao (*Beijing Institute of Technology, Beijing, China*)
- Yue Liu (*Beijing Institute of Technology & Beijing Film Academy, Beijing, China*)
- Zhuoluo Ma (*Beijing Institute of Technology, Beijing, China*)
- Yongtian Wang (*Beijing Institute of Technology & Beijing Film Academy, Beijing, China*)

Poster location: Board 3, Poster 15

LBW2315: Cognitive Aid: Task Assistance Based On Mental Workload Estimation

- Qiushi Zhou (*University of Melbourne, Melbourne, Australia*)
- Joshua Newn (*University of Melbourne, Parkville, Australia*)
- Namrata Srivastava (*University of Melbourne, Melbourne, Australia*)
- Tilman Dingler (*University of Melbourne, Melbourne, Australia*)
- Jorge Goncalves (*University of Melbourne, Melbourne, Australia*)
- Eduardo Velloso (*University of Melbourne, Melbourne, Australia*)

Poster location: Board 3, Poster 16

LBW2316: An Exploratory Study for Evaluating the Use of Floor Visualisations in Navigation Decisions

- Luluah Albarrak (*University of Bristol, Bristol, United Kingdom*)
- Oussama Metatla (*University of Bristol, Bristol, United Kingdom*)
- Anne Roudaut (*University of Bristol, Bristol, United Kingdom*)

Poster location: Board 3, Poster 17

LBW2317: The Challenges of Creating Engaging Content: Results from a Focus Group Study of a Popular News Media Organization

- Kholoud Khalil Aldous (*Hamad Bin Khalifa University, Doha, Qatar*)
- Jisun An (*Qatar Computing Research Institute & Hamad Bin Khalifa University, Doha, Qatar*)
- Bernard J. Jansen (*Qatar Computing Research Institute & Hamad Bin Khalifa University, Doha, Qatar*)

Poster location: Board 3, Poster 18

LBW2319: Navigating Uncertainty in the Future of Work: Information-Seeking and Critical Events Among Online Freelancers

- Allie Blaising (*California Polytechnic University, San Luis Obispo, CA, USA*)
- Yasmine Kotturi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Chinmay Kulkarni (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Poster location: Board 3, Poster 19

LBW2320: Human-Data Interaction in the Context of Care: Co-designing Family Civic Data Interfaces and Practices

- Alex Bowyer (*Newcastle University, Newcastle-upon-Tyne, United Kingdom*)
- Rob Wilson (*Northumbria University, Newcastle-upon-Tyne, United Kingdom*)
- Stuart Wheeler (*Arjuna Technologies, Newcastle-upon-Tyne, United Kingdom*)

- Matthew Snape (*Newcastle University, Newcastle-upon-Tyne, United Kingdom*)
- Kyle Montague (*Newcastle University, Newcastle upon Tyne, United Kingdom*)

Poster location: Board 3, Poster 20

LBW2321: Affective Assistants: A Matter of States and Traits

- Michael Braun (*BMW Group Research & LMU Munich, Garching, Germany*)
- Florian Alt (*Bundeswehr University Munich, Munich, Germany*)

Poster location: Board 3, Poster 21

LBW2322: Implicit User Calibration for Model-based Gaze-tracking System using Face Detection around Optical Axis of Eye

- Mamoru Hiroe (*Kobe University, Kobe, Japan*)
- Shogo Mitsunaga (*Kobe University, Kobe, Japan*)
- Takashi Nagamatsu (*Kobe University, Kobe, Japan*)

Poster location: Board 3, Poster 1

LBW2410: "I Have a Life": Teacher Communication & Management Outside the Classroom

- Serena Hillman (*SMART Technologies, Seattle, WA, USA*)
- Alexandra Hillman (*SMART Technologies, Seattle, WA, USA*)
- Carman Neustaedter (*Simon Fraser University, Surrey, Canada*)
- Carolyn Pang (*McGill University, Montreal, Canada*)

Poster location: Board 4, Poster 11

LBW2411: Modeling Error Rates in Spatiotemporal Moving Target Selection

- Jin Huang (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Byungjoo Lee (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 4, Poster 12

LBW2412: Trajectory Prediction Model for Crossing-Based Target Selection

- Hao Zhang (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Jin Huang (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)
- Feng Tian (*Institute of software, Chinese Academy of Sciences, Beijing, China*)

Poster location: Board 4, Poster 13

LBW2413: It Sounds Like A Woman: Exploring Gender Stereotypes in South Korean Voice Assistants

- Gilhwan Hwang (*Seoul National University, Seoul, Republic of Korea*)
- Jeewon Lee (*Seoul National University, Seoul, Republic of Korea*)
- Cindy Yoonjung Oh (*Seoul National University, Seoul, Republic of Korea*)
- Joonhwan Lee (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 4, Poster 14

LBW2414: Is Seeing Believing? The Effect of Morphological Congruent Visual Feedback on Mediated Touch Experience

- Sima Ipakchian Askari (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Antal Haans (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Wijnand A. IJsselsteijn (*Eindhoven University of Technology, Eindhoven, Netherlands*)

Poster location: Board 4, Poster 15

LBW2415: Personal Safety App Effectiveness

- Mike Just (*Heriot-Watt University, Edinburgh, United Kingdom*)
- Hasmeet Chandok (*Dalhousie University, Halifax, Canada*)
- Raghav Sampangi (*Dalhousie University, Halifax, Canada*)
- Kirstie Hawkey (*Dalhousie University, Halifax, Canada*)
- Alette Willis (*University of Edinburgh, Edinburgh, United Kingdom*)
- JeyaBalaji Samuthiravelu (*Dalhousie University, Halifax, Canada*)
- Dilpreet Gill (*Dalhousie University, Halifax, Canada*)
- Michael Altair (*Dalhousie University, Halifax, Canada*)

Poster location: Board 4, Poster 16

LBW2416: Perception of Emotion in Body Expressions from Gaze Behavior

- Andrea Kleinsmith (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Azin Semsar (*University of Maryland, Baltimore County, Baltimore, MD, USA*)

Poster location: Board 4, Poster 17

LBW2417: Public Speaking Anxiety in a Real Classroom: Towards Developing a Reflection System

- Heera Lee (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Andrea Kleinsmith (*University of Maryland, Baltimore County, Baltimore, MD, USA*)

Poster location: Board 4, Poster 18

LBW2418: (Over)Trust in Automated Driving: The Sleeping Pill of Tomorrow?

- Thomas Kunding (*AUDI AG & Technische Hochschule Ingolstadt, Ingolstadt, Germany*)
- Philipp Wintersberger (*Technische Hochschule Ingolstadt & Johannes Kepler University, Ingolstadt, Germany*)
- Andreas Riener (*Technische Hochschule Ingolstadt & Johannes Kepler University, Ingolstadt, Germany*)

Poster location: Board 4, Poster 19

LBW2419: Infrastructure vs. Community: Co-spaces Confront Digital Nomads' Paradoxical Needs

- Ahreum Lee (*Purdue University, West Lafayette, IN, USA*)
- Austin L. Toombs (*Purdue University, West Lafayette, IN, USA*)
- Ingrid Erickson (*Syracuse University, New York, NY, USA*)

Poster location: Board 4, Poster 20

LBW2420: Cognitive Learning: How to Become William Shakespeare

- Xiaotong Liu (*IBM Research - Almaden, San Jose, CA, USA*)
- Anbang Xu (*IBM Research - Almaden, San Jose, CA, USA*)
- Zhe Liu (*IBM Almaden Research Center, San Jose, CA, USA*)

- Yufan Guo (*IBM Research - Almaden, San Jose, CA, USA*)
- Rama Akkiraju (*IBM Research - Almaden, San Jose, CA, USA*)

Poster location: Board 4, Poster 21

LBW2421: The Helpless Soft Robot - Stimulating Human Collaboration through Robotic Movement

- Anna Dagmar Bille Milthers (*Aalborg University, Aalborg, Denmark*)
- Anne Bjerre Hammer (*Aalborg University, Aalborg, Denmark*)
- Jonathan Jung Johansen (*Aalborg University, Aalborg, Denmark*)
- Lasse Goul Jensen (*Aalborg University, Aalborg, Denmark*)
- Elizabeth Ann Jochum (*Aalborg University, Aalborg, Denmark*)
- Markus Löchtefeld (*Aalborg University, Aalborg, Denmark*)

Poster location: Board 4, Poster 22

LBW2422: Should an Agent Be Ignoring It? A Study of Verbal Abuse Types and Conversational Agents' Response Styles

- Hyojin Chin (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)
- Mun Yong Yi (*Korea Advanced Institute of Science & Technology, Daejeon, Republic of Korea*)

Poster location: Board 4, Poster 1

LBW2510: A Gaze-Based Exploratory Study on the Information Seeking Behavior of Developers on Stack Overflow

- Cole S. Peterson (*University of Nebraska - Lincoln, Lincoln, NE, USA*)
- Jonathan A. Saddler (*University of Nebraska - Lincoln, Lincoln, NE, USA*)
- Natalie M. Halavick (*Purdue University, West Lafayette, IN, USA*)
- Bonita Sharif (*University of Nebraska - Lincoln, Lincoln, NE, USA*)

Poster location: Board 5, Poster 11

LBW2511: Supporting Data Workers To Perform Exploratory Programming

- Krishna Subramanian (*RWTH Aachen University, Aachen, Germany*)
- Ilya Zubarev (*RWTH Aachen University, Aachen, Germany*)
- Simon Völker (*RWTH Aachen University, Aachen, Germany*)
- Jan Borchers (*RWTH Aachen University, Aachen, Germany*)

Poster location: Board 5, Poster 12

LBW2512: Where in the Cloud is my Data? Location and Brand Effects on Trust in Cloud Services

- S. Shyam Sundar (*Penn State University, University Park, PA, USA*)
- Jinyoung Kim (*Penn State University, University Park, PA, USA*)
- Eugene Cho (*Penn State University, University Park, PA, USA*)

Poster location: Board 5, Poster 13

LBW2513: Acceptance of Self-Driving Cars: Does Their Posthuman Ability Make Them More Eerie or More Desirable?

- Andrew Gambino (*Penn State University, University Park, PA, USA*)
- S. Shyam Sundar (*Penn State University, University Park, PA, USA*)

Poster location: Board 5, Poster 14

LBW2514: Configuring Personal Data for a Quantified-Self Archive

- Ciaran B. Trace (*University of Texas at Austin, Austin, TX, USA*)
- Yan Zhang (*University of Texas at Austin, Austin, TX, USA*)

Poster location: Board 5, Poster 15

LBW2515: Towards a Typology of Self-Tracking Gaps

- Ciaran B. Trace (*University of Texas at Austin, Austin, TX, USA*)
- Yan Zhang (*University of Texas at Austin, Austin, TX, USA*)

Poster location: Board 5, Poster 16

LBW2516: Information-theoretic Sensorimotor Foundations of Fitts' Law

- Dari Trendafilov (*Johannes Kepler University, Linz, Austria*)
- Daniel Polani (*University of Hertfordshire, Hatfield, United Kingdom*)

Poster location: Board 5, Poster 17

LBW2517: Discovering Users for Technical Innovations through Systematic Matchmaking

- Bart van Dijk (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- John Zimmerman (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Poster location: Board 5, Poster 18

LBW2518: Using Reinforced Implementation Intentions to Support Habit Formation

- Adhi Wicaksono (*University of Birmingham, Birmingham, United Kingdom*)
- Robert J. Hendley (*University of Birmingham, Birmingham, United Kingdom*)
- Russell Beale (*University of Birmingham, Birmingham, United Kingdom*)

Poster location: Board 5, Poster 19

LBW2519: Modeling Drone Pointing Movement with Fitts' Law

- Kaito Yamada (*Meiji University, Nakano, Japan*)
- Hiroki Usuba (*Meiji University, Nakano, Japan*)
- Homei Miyahita (*Meiji University, Tokyo, Japan*)

Poster location: Board 5, Poster 20

LBW2520: Using Screenshots to Predict Task Switching on Smartphones

- Xiao Yang (*Pennsylvania State University, University Park, PA, USA*)
- Nilam Ram (*Pennsylvania State University, University Park, PA, USA*)
- Thomas Robinson (*Stanford University, Stanford, CA, USA*)
- Byron Reeves (*Stanford University, Stanford, CA, USA*)

Poster location: Board 5, Poster 21

LBW2521: Understanding Social Costs in Online Question Asking

- Haiwei Ma (*University of Minnesota, Minneapolis, MN, USA*)

- Bowen Yu (*University of Minnesota, Minneapolis, MN, USA*)
- Hao Fei Cheng (*University of Minnesota, Minneapolis, MN, USA*)
- Haiyi Zhu (*University of Minnesota, Minneapolis, MN, USA*)

Poster location: Board 5, Poster 22

LBW2522: fNIRS and Neurocinematics

- Horia A. Maior (*University of Nottingham, Nottingham, United Kingdom*)
- Richard Ramchurn (*University of Nottingham, Nottingham, United Kingdom*)
- Sarah Martindale (*University of Nottingham, Nottingham, United Kingdom*)
- Ming Cai (*University of Nottingham, Nottingham, United Kingdom*)
- Max L. Wilson (*University of Nottingham, Nottingham, United Kingdom*)
- Steve Benford (*University of Nottingham, Nottingham, United Kingdom*)

Poster location: Board 5, Poster 1

LBW2610: Tell Me What You Know: GDPR Implications on Designing Transparency and Accountability for News Recommender Systems

- Luciana Monteiro Krebs (*UFRGS, Porto Alegre, Brazil*)
- Oscar Luis Alvarado Rodriguez (*KU Leuven, Leuven, Belgium*)
- Pierre Dewitte (*KU Leuven, Leuven, Belgium*)
- Jef Ausloos (*University of Amsterdam, Amsterdam, Netherlands*)
- David Geerts (*KU Leuven, Leuven, Belgium*)
- Laurens Naudts (*KU Leuven, Leuven, Belgium*)
- Katrien Verbert (*KU Leuven, Leuven, Belgium*)

Poster location: Board 6, Poster 10

LBW2611: "Woe is me": Examining Older Adults' Perceptions of Privacy

- Hirak Ray (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Flynn Wolf (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Ravi Kuber (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Adam J. Aviv (*United States Naval Academy, Annapolis, MD, USA*)

Poster location: Board 6, Poster 11

LBW2612: Security Patterns for Webdesign: a Hierarchical Structure Approach

- Alexander G. Mirnig (*University of Salzburg, Salzburg, Austria*)
- Artur Lupp (*University of Salzburg, Salzburg, Austria*)
- Alexander Meschtscherjakov (*University of Salzburg, Salzburg, Austria*)
- Eleni Economidou (*University of Salzburg, Salzburg, Austria*)
- Manfred Tscheligi (*University of Salzburg & AIT, Salzburg & Vienna, Austria*)

Poster location: Board 6, Poster 12

LBW2613: Towards Better Security Decisions: Applying Prospect Theory to Cybersecurity

- Leilei Qu (*Renmin University of China, Beijing, China*)
- Cheng Wang (*Renmin University of China, Beijing, China*)
- Ruojin Xiao (*Renmin University of China, Beijing, China*)
- Jianwei Hou (*Renmin University of China, Beijing, China*)
- Wenchang Shi (*Renmin University of China, Beijing, China*)
- Bin Liang (*Renmin University of China, Beijing, China*)

Poster location: Board 6, Poster 13

LBW2614: UltraSonic Watch: Seamless Two-Factor Authentication through Ultrasound

- Dimitra Zarafeta (*University of Patras, Patras, Greece*)
- Christina Katsini (*University of Patras, Patras, Greece*)
- George E. Raptis (*University of Patras, Patras, Greece*)
- Nikolaos M. Avouris (*University of Patras, Patra, Greece*)

Poster location: Board 6, Poster 14

LBW2615: VRIA - A Framework for Immersive Analytics on the Web

- Peter W. S. Butcher (*University of Chester, Chester, United Kingdom*)
- Nigel W. John (*University Of Chester, Chester, United Kingdom*)
- Panagiotis D. Ritsos (*Bangor University, Bangor, United Kingdom*)

Poster location: Board 6, Poster 15

LBW2616: Online Privacy in Public Places: How do Location, Terms and Conditions and VPN Influence Disclosure?

- Maria D. Molina (*Pennsylvania State University, University Park, PA, USA*)
- Andrew Gambino (*Pennsylvania State University, University Park, PA, USA*)
- S. Shyam Sundar (*Pennsylvania State University, University Park, PA, USA*)

Poster location: Board 6, Poster 16

LBW2617: Exploring Parallel Coordinates Plots in Virtual Reality

- Slawomir Konrad Tadeja (*University of Cambridge, Cambridge, United Kingdom*)
- Timoleon Kipouros (*University of Cambridge, Cambridge, United Kingdom*)
- Per Ola Kristensson (*University of Cambridge, Cambridge, United Kingdom*)

Poster location: Board 6, Poster 17

LBW2618: An Observational Investigation of Reverse Engineers' Process and Mental Models

- Daniel Votipka (*University of Maryland, College Park, MD, USA*)
- Seth Rabin (*University of Maryland, College Park, MD, USA*)
- Kristopher Micinski (*Haverford College, Haverford, PA, USA*)
- Jeffrey S. Foster (*Tufts University, Medford, MA, USA*)
- Michelle L. Mazurek (*University of Maryland, College Park, MD, USA*)

Poster location: Board 6, Poster 18

LBW2619: Exploring the Impact of Network Impairments on Remote Collaborative Augmented Reality Applications

- Tooba Ahsen (*Tufts University, Medford, MA, USA*)
- Fahad R. Dogar (*Tufts University, Medford, MA, USA*)
- Aaron L. Gardony (*CCDC - Soldier Center & CABCS, Medford, MA, USA*)

Poster location: Board 6, Poster 19

LBW2620: Paired Conversational Agents for Easy-to-Understand Instruction

- Wataru Akahori (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)
- Asuka Miyake (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)
- Hiroaki Sugiyama (*Nippon Telegraph and Telephone Corporation, Kyoto, Japan*)
- Masahiro Watanabe (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)
- Hiroya Minami (*Nippon Telegraph and Telephone Corporation, Kanagawa, Japan*)

Poster location: Board 6, Poster 20

LBW2621: Wizard of Oz Prototyping for Machine Learning Experiences

- Jacob T. Browne (*Twickle, San Diego, CA, USA*)

Poster location: Board 6, Poster 21

LBW2622: Gender Effects on Collaborative Online Brainstorming Teamwork

- Chien Wen (Tina) Yuan (*Fu Jen University, New Taipei City, Taiwan Roc*)
- Yu-Hsuan Liu (*National Tsing Hua University, Hsin-Chu, Taiwan Roc*)
- Hao-Chuan Wang (*University of California, Davis, Davis, CA, USA*)
- Yuan-Chi Tseng (*National Tsing Hua University, Hsin-Chu, Taiwan Roc*)

Poster location: Board 6, Poster 1

LBW2710: Virtual Observation of Virtual Reality Simulations

- Scott Ronald Howie (*University of the West of Scotland, Paisley, United Kingdom*)
- Marco Gilardi (*University of the West of Scotland, Paisley, United Kingdom*)

Poster location: Board 7, Poster 11

LBW2711: On How Users Edit Computer-Generated Visual Stories

- Ting-Yao Hsu (*Pennsylvania State University, State College, PA, USA*)
- Yen-Chia Hsu (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Ting-Hao (Kenneth) Huang (*Pennsylvania State University, University Park, PA, USA*)

Poster location: Board 7, Poster 12

LBW2712: Proxemo or How to Evaluate User Experience for People with Dementia

- Stephan Huber (*Julius-Maximilians-Universität, Würzburg, Germany*)
- Alexander Bejan (*Furtwangen University, Furtwangen, Germany*)
- Beate Radzey (*Demenz Support Stuttgart gGmbH, Stuttgart, Germany*)
- Jörn Hurtienne (*Julius-Maximilians-Universität, Würzburg, Germany*)

Poster location: Board 7, Poster 13

LBW2713: Creating Manageable Persona Sets from Large User Populations

- Bernard J. Jansen (*Hamad Bin Khalifa University, Doha, Qatar*)
- Soon-gyo Jung (*Hamad Bin Khalifa University, Doha, Qatar*)
- Joni Salminen (*Hamad Bin Khalifa University, Doha, Qatar*)

Poster location: Board 7, Poster 14

LBW2714: Personas Changing Over Time: Analyzing Variations of Data-Driven Personas During a Two-Year Period

- Soon-gyo Jung (*Hamad Bin Khalifa University, Doha, Qatar*)
- Joni Salminen (*Hamad Bin Khalifa University, Doha, Qatar*)
- Bernard J. Jansen (*Hamad Bin Khalifa University, Doha, Qatar*)

Poster location: Board 7, Poster 15

LBW2715: Exploring Effects of Conversational Fillers on User Perception of Conversational Agents

- Yui Jeong (*Yonsei University, Seoul, Republic of Korea*)
- Juho Lee (*Yonsei University, Seoul, Republic of Korea*)
- Younah Kang (*Yonsei University, Seoul, Republic of Korea*)

Poster location: Board 7, Poster 16

LBW2716: The Effectiveness of Nudging in Commercial Settings and Impact on User Trust

- Katarzyna Katner (*City, University of London, London, United Kingdom*)
- Radu Jianu (*City, University of London, London, United Kingdom*)

Poster location: Board 7, Poster 17

LBW2717: Tell Me More: Understanding User Interaction of Smart Speaker News Powered by Conversational Search

- Hyunhoon Jung (*NAVER Clova AI, Seongnam-si, Republic of Korea*)
- Changhoon Oh (*Seoul National University, Seoul, Republic of Korea*)
- Gilhwan Hwang (*Seoul National University, Seoul, Republic of Korea*)
- Cindy Yoonjung Oh (*Seoul National University, Seoul, Republic of Korea*)
- Joonhwan Lee (*Seoul National University, Seoul, Republic of Korea*)
- Bongwon Suh (*Seoul National University, Seoul, Republic of Korea*)

Poster location: Board 7, Poster 18

LBW2718: Cross-study Reliability of the Open Card Sorting Method

- Christos Katsanos (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Nikolaos Tselios (*University of Patras, Patras, Greece*)
- Nikolaos Avouris (*University of Patras, Patras, Greece*)
- Stavros Demetriadis (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Ioannis Stamelos (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Lefteris Angelis (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)

Poster location: Board 7, Poster 19

LBW2719: Synaesthetic-Translation Tool: Synaesthesia as an Interactive Material for Ideation

- Chang Hee Lee (*Royal College of Art, London, United Kingdom*)
- Dan Lockton (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- John Stevens (*Royal College of Art, London, United Kingdom*)
- Stephen Jia Wang (*Royal College of Art, London, United Kingdom*)
- SungHee Ahn (*Hongik University, Sejong City, Republic of Korea*)

Poster location: Board 7, Poster 20

LBW2720: How Performing an Activity Makes Meaning

- Eva Lenz (*University of Siegen, Siegen, Germany*)
- Marc Hassenzahl (*University of Siegen, Siegen, Germany*)
- Sarah Diefenbach (*Ludwig-Maximilians-University Munich, Munich, Germany*)

Poster location: Board 7, Poster 21

LBW2721: Effect of Personality Traits on UX Evaluation Metrics: A Study on Usability Issues, Valence-Arousal and Skin Conductance

- Alexandros Liapis (*Hellenic Open University, Patra, Greece*)
- Christos Katsanos (*Aristotle University of Thessaloniki, Thessaloniki, Greece*)
- Michalis Xenos (*University of Patras, Patras, Greece*)
- Theofanis Orphanoudakis (*Hellenic Open University, Patra, Greece*)

Poster location: Board 7, Poster 22

LBW2722: Creating Positive Experiences with Digital Companions

- Michael Burmester (*Stuttgart Media University, Stuttgart, Germany*)
- Katharina Zeiner (*Siemens AG & Stuttgart Media University, Munich, Germany*)
- Katharina Schippert (*Stuttgart Media University & IBM Design Studio Böblingen, Böblingen, Germany*)
- Axel Platz (*Siemens AG, Munich, Germany*)

Poster location: Board 7, Poster 1

LBW2810: Minimalistic Explanations: Capturing the Essence of Decisions

- Martin Schuessler (*Technische Universität Berlin & Weizenbaum Institut, Berlin, Germany*)
- Philipp Weiß (*Technische Universität Berlin & Weizenbaum Institut, Berlin, Germany*)

Poster location: Board 8, Poster 10

LBW2811: Studying User Experience of a Hybrid Location Sensing System

- Yun Huang (*Syracuse University, Syracuse, NY, USA*)
- Yisi Sang (*Syracuse University, Syracuse, NY, USA*)
- Qunfang Wu (*Syracuse University, Syracuse, NY, USA*)
- Yaxing Yao (*Syracuse University, Syracuse, NY, USA*)

Poster location: Board 8, Poster 11

LBW2812: Effects of Influence on User Trust in Predictive Decision Making

- Jianlong Zhou (*University of Technology Sydney, Sydney, Australia*)
- Zhidong Li (*University of Technology Sydney, Sydney, Australia*)
- Huaiwen Hu (*DATA61, CSIRO, Sydney, Australia*)
- Kun Yu (*University of Technology Sydney, Sydney, Australia*)
- Fang Chen (*University of Technology Sydney, Sydney, Australia*)
- Zelin Li (*DATA61, CSIRO, Sydney, Australia*)
- Yang Wang (*University of Technology Sydney, Sydney, Australia*)

Poster location: Board 8, Poster 12

LBW2822: Do We Need Natural Language? Exploring Restricted Language Interfaces for Complex Domains

- Jesse Mu (*Stanford University, Stanford, CA, USA*)
- Advait Sarkar (*Microsoft Research, Cambridge, United Kingdom*)

Poster location: Board 8, Poster 1

Miscellaneous: Speaker prep room

Wednesday - 15:20 - 16:00

Room: Etime

Wednesday - 16:00 - 17:20

Course: Communicating your Research to the Public and the Press

Wednesday - 16:00 - 17:20 Room: Island B CROWNE

Communicating your Research to the Public and the Press

- Helen Pilcher

Course: Introduction to Legal Issues in Human-Computer Interaction

Wednesday - 16:00 - 17:20 Room: Argyll 3 CROWNE

Introduction to Legal Issues in Human-Computer Interaction

- Jonathan Lazar (*University of Maryland, College Park, MD, USA*)
- Raja Kushalnagar (*Gallaudet University, Washington, DC, USA*)
- Casey Fiesler (*University of Colorado, Boulder, CO, USA*)
- G. Anthony Giannoumis (*Oslo Metropolitan University, Oslo, Norway*)

Course: Tangible Ecosystem Design - Developing Disruptive Services for Digital Ecosystems

Wednesday - 16:00 - 17:20 Room: Castle 3 CROWNE

Tangible Ecosystem Design – Developing Disruptive Services for Digital Ecosystems

- Claudia Nass Bauer (*Fraunhofer IESE, Kaiserslautern, Germany*)
- Marcus Trapp (*Fraunhofer IESE, Kaiserslautern, Germany*)

Course: Computational Interaction with Bayesian Methods

Wednesday - 16:00 - 17:20 Room: Argyll 2 CROWNE

Computational Interaction with Bayesian Methods

- Per Ola Kristensson (*University of Cambridge, Cambridge, United Kingdom*)

- Nikola Banovic (*University of Michigan, Ann Arbor, MI, USA*)
- Antti Oulasvirta (*Aalto University, Helsinki, Finland*)
- John Williamson (*University of Glasgow, Glasgow, United Kingdom*)

Course: Building Economic Models of Human Computer Interaction

Wednesday - 16:00 - 17:20 Room: Castle 2 CROWNE

Building Economic Models of Human Computer Interaction

- Leif Azzopardi (*University of Strathclyde, Glasgow, United Kingdom*)
- Guido Zuccon (*University of Queensland, Brisbane, Australia*)

Miscellaneous: Speaker prep room

Wednesday - 16:00 - 17:20 Room: Etive

Panel: Moving Beyond "The Great Screen Time Debate" in the Design of Technology for Children

Wednesday - 16:00 - 17:20 Room: Argyll 1 CROWNE

- Alexis Hiniker (*University of Washington, Seattle, WA, USA*)
- Jenny S. Radesky (*University of Michigan, Ann Arbor, MI, USA*)
- Sonia Livingstone (*London School of Economics & Political Science, London, United Kingdom*)
- Alicia Blum-Ross (*Google, Inc., Mountain View, CA, USA*)

Paper session: Perception of Self and Others

Wednesday - 16:00 - 17:20 Room: Alsh 1

Chair: Mar Gonzalez-Franco

Investigating Implicit Gender Bias and Embodiment of White Males in Virtual Reality with Full Body Visuomotor Synchrony *Honourable Mention*

- Sarah Lopez (*University of San Francisco, San Francisco, CA, USA*)
- Yi Yang (*University of San Francisco, San Francisco, CA, USA*)
- Kevin Beltran (*University of San Francisco, San Francisco, CA, USA*)
- Soo Jung Kim (*University of San Francisco, San Francisco, CA, USA*)
- Jennifer Cruz Hernandez (*University of San Francisco, San Francisco, CA, USA*)
- Chelsy Simran (*University of San Francisco, San Francisco, CA, USA*)
- Bingkun Yang (*University of San Francisco, San Francisco, CA, USA*)
- Beste F. Yuksel (*University of San Francisco, San Francisco, CA, USA*)

Detecting Personality Traits Using Eye-Tracking Data *Best Paper Award*

- Shlomo Berkovsky (*Data61 - CSIRO & Macquarie University, Sydney, Australia*)
- Ronnie Taib (*Data61 - CSIRO, Sydney, Australia*)
- Irena Koprinska (*University of Sydney, Sydney, Australia*)
- Eileen Wang (*University of Sydney, Sydney, Australia*)
- Yucheng Zeng (*University of Sydney, Sydney, Australia*)
- Jingjie Li (*University of Wisconsin-Madison, Madison, WI, USA*)
- Sabina Kleitman (*University of Sydney, Sydney, Australia*)

As Light as You Aspire to Be: Changing Body Perception with Sound to Support Physical Activity

- Ana Tajadura-Jiménez (*Universidad Carlos III de Madrid, Leganés, Spain*)
- Joseph Newbold (*University College London, London, United Kingdom*)
- Linge Zhang (*University College London, London, United Kingdom*)
- Patricia Rick (*Universidad Loyola Andalucía, Seville, Spain*)
- Nadia Bianchi-Berthouze (*University College London, London, United Kingdom*)

Paper session: Social Justice 2

Wednesday - 16:00 - 17:20 Room: Lomond

Chair: Angelika Strohmayer

The Promise of Empathy: Design, Disability, and Knowing the 'Other'

- Cynthia L. Bennett (*University of Washington, Seattle, WA, USA*)
- Daniela K. Rosner (*University of Washington, Seattle, WA, USA*)

Apprise: Supporting the Critical-Agency of Victims of Human Trafficking in Thailand

- Hannah Thinyane (*United Nations University, Institute on Computing & Society, Macau, Macao*)
- Karthik S. Bhat (*United Nations University, Institute on Computing & Society, Macau, Macao*)

Engaging Gentrification as a Social Justice Issue in HCI

- Eric Corbett (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Yanni Loukissas (*Georgia Institute of Technology, Atlanta, GA, USA*)

Hackathons as Participatory Design: Iterating Feminist Utopias *Honourable Mention*

- Alexis Hope (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Catherine D'Ignazio (*Emerson College, Boston, MA, USA*)
- Josephine Hoy (*University of Washington, Seattle, WA, USA*)
- Rebecca Michelson (*Independent Researcher, Boston, MA, USA*)
- Jennifer Roberts (*Versed Education Group, Washington, D.C., USA*)
- Kate Krontiris (*Independent Researcher, Freetown, Sierra Leone, USA*)
- Ethan Zuckerman (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

Paper session: Are You Sure It's Me?

Wednesday - 16:00 - 17:20 Room: Dochart 1

Chair: James Nicholson

Towards Understanding the Link Between Age and Smartphone Authentication

- Lina Qiu (*University of British Columbia, Vancouver, Canada*)
- Alexander De Luca (*Google, Zurich, Switzerland*)
- Ildar Muslukhov (*University of British Columbia, Vancouver, Canada*)
- Konstantin Beznosov (*University of British Columbia, Vancouver, Canada*)

Vulnerability & Blame: Making Sense of Unauthorized Access to Smartphones

- Diogo Marques (*Universidade de Lisboa, Lisbon, Portugal*)
- Tiago Guerreiro (*Universidade de Lisboa, Lisbon, Portugal*)
- Luis Carriço (*Universidade de Lisboa, Lisbon, Portugal*)
- Ivan Beschastnikh (*University of British Columbia, Vancouver, Canada*)
- Konstantin Beznosov (*University of British Columbia, Vancouver, Canada*)

Passerade: Improving Error Correction of Text Passwords on Mobile Devices by using Graphic Filters for Password Masking

- Mohamed Khamis (*University of Glasgow & Ludwig Maximilian University of Munich, Glasgow, United Kingdom*)
- Tobias Seitz (*Ludwig Maximilian University of Munich, Munich, Germany*)
- Leonhard Mertl (*Ludwig Maximilian University of Munich, Munich, Germany*)
- Alice Nguyen (*Ludwig Maximilian University of Munich, Munich, Germany*)
- Mario Schneller (*Ludwig Maximilian University of Munich, Munich, Germany*)
- Zhe Li (*Ludwig Maximilian University of Munich, Munich, Germany*)

"Pretty Close to a Must-Have:" Balancing Usability Desire and Security Concern in Biometric Adoption

- Flynn Wolf (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Ravi Kuber (*University of Maryland, Baltimore County, Baltimore, MD, USA*)
- Adam J. Aviv (*United States Naval Academy, Annapolis, MD, USA*)

Paper session: Social Media

Wednesday - 16:00 - 17:20

Room: Dochart 2

Chair: Xinru Page

Does Being Verified Make You More Credible? Account Verification's Effect on Tweet Credibility

- Tavish Vaidya (*Georgetown University, Washington, DC, USA*)
- Daniel Votipka (*University of Maryland, College Park, College Park, MD, USA*)
- Michelle L. Mazurek (*University of Maryland, College Park, College Park, MD, USA*)
- Micah Sherr (*Georgetown University, Washington, DC, USA*)

Can Privacy Be Satisfying? On Improving Viewer Satisfaction for Privacy-Enhanced Photos Using Aesthetic Transforms

- Rakibul Hasan (*Indiana University, Bloomington, IN, USA*)
- Yifang Li (*Clemson University, Central, SC, USA*)
- Eman Hassan (*Indiana University, Bloomington, IN, USA*)
- Kelly Caine (*Clemson University, Clemson, SC, USA*)
- David J. Crandall (*Indiana University, Bloomington, IN, USA*)
- Roberto Hoyle (*Oberlin College, Oberlin, OH, USA*)
- Apu Kapadia (*Indiana University, Bloomington, IN, USA*)

I Don't Even Have to Bother Them!: Using Social Media to Automate the Authentication Ceremony in Secure Messaging

- Elham Vaziripour (*Brigham Young University, Provo, UT, USA*)
- Devon Howard (*Brigham Young University, Provo, UT, USA*)
- Jake Tyler (*Brigham Young University, Provo, UT, USA*)
- Mark O'Neill (*Brigham Young University, Provo, UT, USA*)
- Justin Wu (*Brigham Young University, Provo, UT, USA*)
- Kent Seamons (*Brigham Young University, Provo, UT, USA*)
- Daniel Zappala (*Brigham Young University, Provo, UT, USA*)

Techies Against Facebook: Understanding Negative Sentiment Toward Facebook via User Generated Content

- Abu Saleh Md Noman (*Indiana University, Bloomington, IN, USA*)
- Sanchari Das (*Indiana University Bloomington, Bloomington, IN, USA*)
- Sameer Patil (*Indiana University Bloomington, Bloomington, IN, USA*)

Paper session: Look, Smell, Draw

Wednesday - 16:00 - 17:20

Room: Clyde Auditorium

Chair: Alexandra Papoutsaki

NVGaze: An Anatomically-Informed Dataset for Low-Latency, Near-Eye Gaze Estimation

- JooHwan Kim (*NVIDIA, Santa Clara, CA, USA*)
- Michael Stengel (*NVIDIA, Santa Clara, CA, USA*)
- Alexander Majercik (*NVIDIA, Santa Clara, CA, USA*)
- Shalini De Mello (*NVIDIA, Santa Clara, CA, USA*)
- David Dunn (*University of North Carolina - Chapel Hill, Chapel Hill, NC, USA*)
- Samuli Laine (*NVIDIA, Santa Clara, CA, USA*)
- Morgan McGuire (*NVIDIA, Santa Clara, CA, USA*)
- David Luebke (*NVIDIA, Santa Clara, CA, USA*)

Evaluation of Appearance-Based Methods and Implications for Gaze-Based Applications

- Xucong Zhang (*Saarland Informatics Campus, Saarbrücken, Germany*)
- Yusuke Sugano (*Osaka University, Osaka, Japan*)
- Andreas Bulling (*University of Stuttgart, Stuttgart, Germany*)

"Like Popcorn": Crossmodal Correspondences Between Scents, 3D Shapes and Emotions in Children

- Oussama Metatla (*University of Bristol, Bristol, United Kingdom*)
- Emanuela Maggioni (*University of Sussex, Brighton, United Kingdom*)
- Clare Cullen (*University of Bristol, Bristol, United Kingdom*)
- Marianna Obrist (*University of Sussex, Brighton, United Kingdom*)

360proto: Making Interactive Virtual Reality & Augmented Reality Prototypes from Paper

- Michael Nebeling (*University of Michigan, Ann Arbor, MI, USA*)
- Katy Madier (*University of Michigan, Ann Arbor, MI, USA*)

Paper session: Participation and Civic Engagement

Wednesday - 16:00 - 17:20 Room: *Gala*

Chair: Austin Toombs

Older Voices: Supporting Community Radio Production for Civic Participation in Later Life

- Arlind Reuter (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- Tom Bartindale (*Monash University, Melbourne, Australia*)
- Kellie Morrissey (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- Thomas Scharf (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- Jennifer Liddle (*Newcastle University, Newcastle upon Tyne, United Kingdom*)

JourneyCam: Exploring Experiences of Accessibility and Mobility among Powered Wheelchair Users through Video and Data

- Sunil Rodger (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- Dan Jackson (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- John Vines (*Northumbria University, Newcastle upon Tyne, United Kingdom*)
- Janice McLaughlin (*Newcastle University, Newcastle upon Tyne, United Kingdom*)
- Peter Wright (*Newcastle University, Newcastle upon Tyne, United Kingdom*)

Crowdlicit: A System for Conducting Distributed End-User Elicitation and Identification Studies

- Abdullah X. Ali (*University of Washington, Seattle, WA, USA*)
- Meredith Ringel Morris (*Microsoft Research, Redmond, WA, USA*)
- Jacob O. Wobbrock (*University of Washington, Seattle, WA, USA*)

Smart and Fermented Cities: An Approach to Placemaking in Urban Informatics *Honourable Mention*

- Guo Freeman (*Clemson University, Clemson, SC, USA*)
- Jeffrey Bardzell (*Indiana University, Bloomington, IN, USA*)
- Shaowen Bardzell (*Indiana University, Bloomington, IN, USA*)
- Szu-Yu (Cyn) Liu (*Indiana University, Bloomington, IN, USA*)
- Xi Lu (*Indiana University, Bloomington, IN, USA*)
- Diandian Cao (*Indiana University, Bloomington, IN, USA*)

Paper session: Assistive Technologies for the Future

Wednesday - 16:00 - 17:20 Room: *Boisdale 2*

Chair: Anke M. Brock

Feeling Fireworks: An Inclusive Tactile Firework Display

- Dorothea Reusser (*Disney Research & ETH Zurich, Zurich, Switzerland*)
- Espen Knoop (*Disney Research, Zurich, Switzerland*)
- Roland Siegwart (*ETH Zurich, Zurich, Switzerland*)
- Paul Beardsley (*Disney Research, Zurich, Switzerland*)

Editing Spatial Layouts through Tactile Templates for People with Visual Impairments

- Jingyi Li (*Stanford University, Stanford, CA, USA*)
- Son Kim (*Vista Center for the Blind and Visually Impaired, Palo Alto, CA, USA*)
- Joshua A. Miele (*The Smith-Kettlewell Eye Research Institute, San Francisco, CA, USA*)
- Maneesh Agrawala (*Stanford University, Stanford, CA, USA*)
- Sean Follmer (*Stanford University, Stanford, CA, USA*)

BBeep: A Sonic Collision Avoidance System for Blind Travellers and Nearby Pedestrians

- Seita Kayukawa (*Carnegie Mellon University & Waseda University, Tokyo, Japan*)
- Keita Higuchi (*University of Tokyo, Tokyo, Japan*)
- João Guerreiro (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Shigeo Morishima (*Waseda Research Institute for Science and Engineering, Tokyo, Japan*)
- Yoichi Sato (*University of Tokyo, Tokyo, Japan*)
- Kris Kitani (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Chieko Asakawa (*Carnegie Mellon University & IBM Research, Yorktown Heights, NY, USA*)

Haptic Navigation Cues on the Steering Wheel

- Patrizia Di Campli San Vito (*University of Glasgow, Glasgow, United Kingdom*)
- Gözel Shakeri (*University of Glasgow, Glasgow, United Kingdom*)
- Stephen Brewster (*University of Glasgow, Glasgow, United Kingdom*)
- Frank Pollick (*University of Glasgow, Glasgow, United Kingdom*)
- Edward Brown (*Jaguar Land Rover Ltd., Coventry, United Kingdom*)
- Lee Skrypchuk (*Jaguar Land Rover Ltd., Coventry, United Kingdom*)
- Alexandros Mouzakitis (*Jaguar Land Rover Ltd., Coventry, United Kingdom*)

Paper session: Learning (Domains)

Wednesday - 16:00 - 17:20 Room: *Alsh 2*

Chair: Cristina Zaga

MindDot: Supporting Effective Cognitive Behaviors in Concept Map-Based Learning Environments

- Shang Wang (*Arizona State University, Tempe, AZ, USA*)
- Deniz Sonmez Unal (*University of Pittsburgh, Pittsburgh, PA, USA*)
- Erin Walker (*University of Pittsburgh, Pittsburgh, PA, USA*)

QuizBot: A Dialogue-based Adaptive Learning System for Factual Knowledge

- Sherry Ruan (*Stanford University, Stanford, CA, USA*)
- Liwei Jiang (*Colby College, Waterville, ME, USA*)
- Justin Xu (*Stanford University, Stanford, CA, USA*)
- Bryce Joe-Kun Tham (*Stanford University, Stanford, CA, USA*)
- Zhengneng Qiu (*Stanford University, Stanford, CA, USA*)
- Yeshuang Zhu (*Tsinghua University, Beijing, China*)

- Elizabeth L. Murnane (*Stanford University, Stanford, CA, USA*)
- Emma Brunskill (*Stanford University, Stanford, CA, USA*)
- James A. Landay (*Stanford University, Stanford, CA, USA*)

Teachers' Expected and Perceived Gains of Participation in Classroom Based Design Activities

- Peter Börjesson (*University of Gothenburg & Chalmers University of Technology, Gothenburg, Sweden*)
- Wolmet Barendregt (*University of Gothenburg, Gothenburg, Sweden*)
- Eva Eriksson (*Aarhus University, Aarhus, Denmark*)
- Olof Torgersson (*University of Gothenburg & Chalmers University of Technology, Gothenburg, Sweden*)
- Tilde Bekker (*Eindhoven University of Technology, Eindhoven, Netherlands*)

"What's Happening at that Hip?": Evaluating an On-body Projection based Augmented Reality System for Physiotherapy Classroom

- Hasan Shahid Ferdous (*University of Melbourne, Melbourne, Australia*)
- Thuong Hoang (*Deakin University, Burwood, Australia*)
- Zaher Joukhadar (*University of Melbourne, Melbourne, Australia*)
- Martin N. Reinoso (*University of Melbourne, Melbourne, Australia*)
- Frank Vetere (*University of Melbourne, Melbourne, Australia*)
- David Kelly (*University of Melbourne, Melbourne, Australia*)
- Louisa Remedios (*University of Melbourne, Melbourne, Australia*)

Paper session: Gameplay Analysis and Latency

Wednesday - 16:00 - 17:20 Room: Hall 2

Chair: Seth Cooper

Effects of Local Latency on Game Pointing Devices and Game Pointing Tasks

- Michael Long (*University of Saskatchewan, Saskatoon, Canada*)
- Carl Gutwin (*University of Saskatchewan, Saskatoon, Canada*)

Geometrically Compensating Effect of End-to-End Latency in Moving-Target Selection Games

- Injung Lee (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Sunjun Kim (*Aalto University, Espoo, Finland*)
- Byungjoo Lee (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)

Aggregated Visualization of Playtesting Data

- Günter Wallner (*Eindhoven University of Technology, Eindhoven, Netherlands*)
- Nour Halabi (*University of Ontario Institute of Technology, Oshawa, Canada*)
- Pejman Mirza-Babaei (*University of Ontario Institute of Technology, Oshawa, Canada*)

Transforming Game Difficulty Curves using Function Composition

- Anurag Sarkar (*Northeastern University, Boston, MA, USA*)
- Seth Cooper (*Northeastern University, Boston, MA, USA*)

Paper session: The One with Bots

Wednesday - 16:00 - 17:20 Room: Carron 2

Chair: Heloisa Candello

Transformation through Provocation?

- Maria Roussou (*National and Kapodistrian University of Athens, Athens, Greece*)
- Sara Perry (*The University of York, York, United Kingdom*)
- Akrivi Katifori (*Athena Research Center & National and Kapodistrian University of Athens, Athens, Greece*)
- Stavros Vassos (*Helvia Technologies, Athens, Greece*)
- Angeliki Tzouganatou (*University of Hamburg, Hamburg, Germany*)
- Sierra McKinney (*The University of York, York, United Kingdom*)

Beyond Dyadic Interactions: Considering Chatbots as Community Members

- Joseph Seering (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Michal Luria (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Geoff Kaufman (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Jessica Hammer (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Comparing Data from Chatbot and Web Surveys: Effects of Platform and Conversational Style on Survey Response Quality

- Soomin Kim (*Seoul National University, Seoul, Republic of Korea*)
- Joonhwan Lee (*Seoul National University, Seoul, Republic of Korea*)
- Gahgene Gweon (*Seoul National University, Seoul, Republic of Korea*)

Co-Performing Agent: Design for Building User-Agent Partnership in Learning and Adaptive Services

- Da-jung Kim (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)
- Youn-kyung Lim (*Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*)

Paper session: Help Me, I'm Only Human

Wednesday - 16:00 - 17:20 Room: Hall 1

Chair: Manya Sleeper

A Promise Is A Promise: The Effect of Commitment Devices on Computer Security Intentions

- Alisa Frik (*International Computer Science Institute & University of California, Berkeley, Berkeley, CA, USA*)
- Nathan Malkin (*University of California, Berkeley, Berkeley, CA, USA*)
- Marian Harbach (*International Computer Science Institute, Berkeley, CA, USA*)
- Eyal Peer (*Hebrew University of Jerusalem, Jerusalem, Israel*)
- Serge Egelman (*International Computer Science Institute & University of California, Berkeley, Berkeley, CA, USA*)

Bringing Design to the Privacy Table: Broadening Honourable Mention

- Richmond Y. Wong (*University of California, Berkeley, Berkeley, CA, USA*)
- Deirdre K. Mulligan (*University of California, Berkeley, Berkeley, CA, USA*)

Privacy, Power, and Invisible Labor on Amazon Mechanical Turk

- Shruti Sannon (*Cornell University, Ithaca, NY, USA*)
- Dan Cosley (*Cornell University, Ithaca, NY, USA*)

On the Usability of HTTPS Deployment

- Matthew Bernhard (*University of Michigan, Ann Arbor, MI, USA*)
- Jonathan Sharman (*Rice University, Houston, TX, USA*)
- Claudia Ziegler Acemyan (*Rice University, Houston, TX, USA*)
- Philip Kortum (*Rice University, Houston, TX, USA*)
- Dan S. Wallach (*Rice University, Houston, TX, USA*)
- J. Alex Halderman (*University of Michigan, Ann Arbor, MI, USA*)

Paper session: DomestiCHI

Wednesday - 16:00 - 17:20 Room: Carron 1

Chair: EunJeong Cheon

Tracking the Consumption of Home Essentials

- Carolina Fuentes (*University of Nottingham, Nottingham, United Kingdom*)
- Martin Porcheron (*University of Nottingham, Nottingham, United Kingdom*)
- Joel Fischer (*University of Nottingham, Nottingham, United Kingdom*)
- Enrico Costanza (*University College London, London, United Kingdom*)
- Obaid Maliik (*University of Southampton, Southampton, United Kingdom*)
- Sarvapali D. Ramchurn (*University of Southampton, Southampton, United Kingdom*)

Alternative Avenues for IoT: Designing with Non-Stereotypical Homes Honourable Mention

- Audrey Desjardins (*University of Washington, Seattle, WA, USA*)
- Jeremy E. Viny (*University of Washington, Seattle, WA, USA*)
- Cayla Key (*University of Washington, Seattle, WA, USA*)
- Nouela Johnston (*University of Washington, Seattle, WA, USA*)

"Collective Wisdom": Inquiring into Collective Homes as a Site for HCI Design

- Jo Shin (*Simon Fraser University, Surrey, Canada*)
- Gabriela Aceves Sepúlveda (*Simon Fraser University, Surrey, Canada*)
- William Odom (*Simon Fraser University, Surrey, Canada*)

Who's In Control? Interactions In Multi-User Smart Homes

- Christine Geeng (*University of Washington, Seattle, WA, USA*)
- Franziska Roesner (*University of Washington, Seattle, WA, USA*)

Paper session: Awards - Social Impact

Wednesday - 16:00 - 17:20 Room: Forth

Chair: Batya Friedman

Social Impact Award

- Gillian Hayes (*University of California, Irvine, Irvine, CA, USA*)
- Christopher A. Le Dantec (*Georgia Institute of Technology, Atlanta, GA, USA*)
- Daniela Busse (*Oracle, San Francisco, California, USA*)
- Stacy Branham (*University of California, Irvine, Irvine, California, USA*)

Special Interest Group (SIG): **Queer(ing) HCI: Moving Forward in Theory and Practice**

Wednesday - 16:00 - 17:20 Room: Island A CROWNE

- Katta Spiel (*TU Wien, Vienna, Austria*)
- Os Keyes (*University of Washington, Seattle, Washington, USA*)
- Ashley Marie Walker (*Northwestern University, Evanston, Illinois, USA*)
- Michael A. DeVito (*Northwestern University, Evanston, Illinois, USA*)
- Jeremy Birnholtz (*Northwestern University, Evanston, Illinois, USA*)
- Emeline Brulé (*University of Sussex, Brighton, United Kingdom*)
- Ann Light (*University of Sussex, Brighton, United Kingdom*)
- Pinar Barlas (*Smart Systems and Emerging Technologies, Nicosia, Cyprus*)
- Jean Hardy (*University of Michigan, Ann Arbor, MI, USA*)
- Alex Ahmed (*Northeastern University, Boston, MA, USA*)
- Jennifer A. Rode (*University College London, London, United Kingdom*)
- Jed R. Brubaker (*University of Colorado Boulder, Boulder, CO, USA*)
- Gopinaath Kannabiran (*Aarhus University, Aarhus, Denmark*)

Wednesday - 17:30 - 18:10

Video Showcase: Video Showcase

Wednesday - 17:30 - 18:10 Room: Lomond

Feeling Fireworks: An Inclusive Tactile Firework Display

- Dorothea Reusser (*Disney Research & ETH Zurich, Zurich, Switzerland*)
- Espen Knoop (*Disney Research, Zurich, Switzerland*)
- Roland Siegwart (*ETH Zurich, Zurich, Switzerland*)
- Paul Beardsley (*Disney Research, Zurich, Switzerland*)

Slappyfications: Towards Ubiquitous Physical and Embodied Notifications

- Sebastian Günther (*Technische Universität Darmstadt, Darmstadt, Germany*)
- Florian Müller (*Technische Universität Darmstadt, Darmstadt, Germany*)
- Markus Funk (*Technische Universität Darmstadt, Darmstadt, Germany*)
- Max Mühlhäuser (*Technische Universität Darmstadt, Darmstadt, Germany*)

Painting with CATS: Camera-Aided Texture Synthesis

- Ticha Sethapakdi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- James McCann (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Showcasing ElectroDermis

- Eric Markvicka (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Guanyun Wang (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Yi-Chin Lee (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Gierad Laput (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Carmel Majidi (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Lining Yao (*Carnegie Mellon University, Pittsburgh, PA, USA*)

TrussFormer: 3D Printing Large Kinetic Structures

- Robert Kovacs (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Alexandra Ion (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Pedro Lopes (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Tim Oesterreich (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Johannes Filter (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Philipp Otto (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Tobias Arndt (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Nico Ring (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Melvin Witte (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)
- Anton Synysia (*Oregon State University, Salem, OR, USA*)
- Patrick Baudisch (*Hasso Plattner Institute, University of Potsdam, Potsdam, Germany*)

Gamified Ads: Bridging the Gap Between User Enjoyment and the Effectiveness of Online Ads

- Vladislav Hnatovskiy (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Maximilian Altmeyer (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Pascal Lessel (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Kathrin Dernbecher (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Marc Schubhan (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)
- Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarbrücken, Germany*)

Deep Reality: Towards Increasing Relaxation in VR by Subtly Changing Light, Sound and Movement Based on HR, EDA, and EEG

- Judith Amores (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Anna Fuste (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Robert Richer (*Friedrich-Alexander-Universität, Erlangen, Germany*)

Digital Fabrication of Soft Actuated Objects by Machine Knitting

- Lea Albaugh (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Scott Hudson (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Lining Yao (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Cyborg Botany: Augmented Plants as Sensors, Displays and Actuators

- Harpreet Sareen (*Parsons School of Design, New York, NY, USA*)
- Jiefu Zheng (*Parsons School of Design, New York, NY, USA*)
- Pattie Maes (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

Connected Resources - Empowering Older People to Age Resourcefully

- Masako Kitazaki (*Delft University of Technology, Delft, Netherlands*)
- Johanna Nicenboim (*Delft University of Technology, Delft, Netherlands*)
- Elisa Giaccardi (*Delft University of Technology, Delft, Netherlands*)

AttentivU: A Biofeedback System for Real-time Monitoring and Improvement of Engagement

- Nataliya Kosmyna (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Caitlin Morris (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Utkarsh Sarawgi (*Massachusetts Institute of Technology, Cambridge, MA, USA*)
- Pattie Maes (*Massachusetts Institute of Technology, Cambridge, MA, USA*)

4D Printing A-line

- Guanyun Wang (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Ye Tao (*Carnegie Mellon University & Zhejiang University, Hangzhou, China*)
- Ozguc Bertug Capunaman (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Humphrey Yang (*Carnegie Mellon University, Pittsburgh, PA, USA*)
- Lining Yao (*Carnegie Mellon University, Pittsburgh, PA, USA*)

Hyper Sensorial -- Human Computed Neurodivergent Poem

- Luca M. Damiani (*London College of Communication & University of the Arts London, London, United Kingdom*)

Creating Worlds: Exploring Animated Videos as a Tool for Contextualization in User Research

- Tommy Nilsson (*University of Nottingham, Nottingham, United Kingdom*)
- Andy Crabtree (*University of Nottingham, Nottingham, United Kingdom*)
- Joel Fischer (*University of Nottingham, Nottingham, United Kingdom*)
- Borianna Koleva (*University of Nottingham, Nottingham, United Kingdom*)

ComunicArte: A Public Speaking Trainer in Virtual Reality

- Meriem El-Yamri (*Complutense University of Madrid, Madrid, Spain*)
- Alejandro Romero-Hernandez (*Complutense University of Madrid, Madrid, Spain*)

- Manuel Gonzalez-Riojo (*Complutense University of Madrid, Madrid, Spain*)
- Borja Manero (*Complutense University of Madrid, Madrid, Spain*)

Plunder Planet: An Adaptive Fitness Game Setup for Children

- Anna Lisa Martin-Niedecken (*Zurich University of the Arts, Zurich, Switzerland*)

Mobeybou - A Digital Manipulative for Multicultural Narrative Creation

- Cristina Sylla (*University of Minho, Portugal, Braga, Portugal*)
- Vítor Martins (*University of Minho, Portugal, Braga, Portugal*)
- Gabriela Sá (*University of Minho, Portugal, Braga, Portugal*)
- Ana Paula Caruso (*Polytechnic Institute of Cávado and Ave, Barcelos, Portugal*)
- Bruno Amaro (*University of Minho, Portugal, Braga, Portugal*)
- Douglas Menegazzi (*University of Santa Catarina, Florianópolis, Brazil*)
- Francisco Sylla (*University of Minho, Braga, Portugal*)

Wednesday - 18:00 - 20:00

Miscellaneous: Glasgow Science Centre Reception

Wednesday - 18:00 - 20:00

Room: Science Centre (across the footbridge)

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