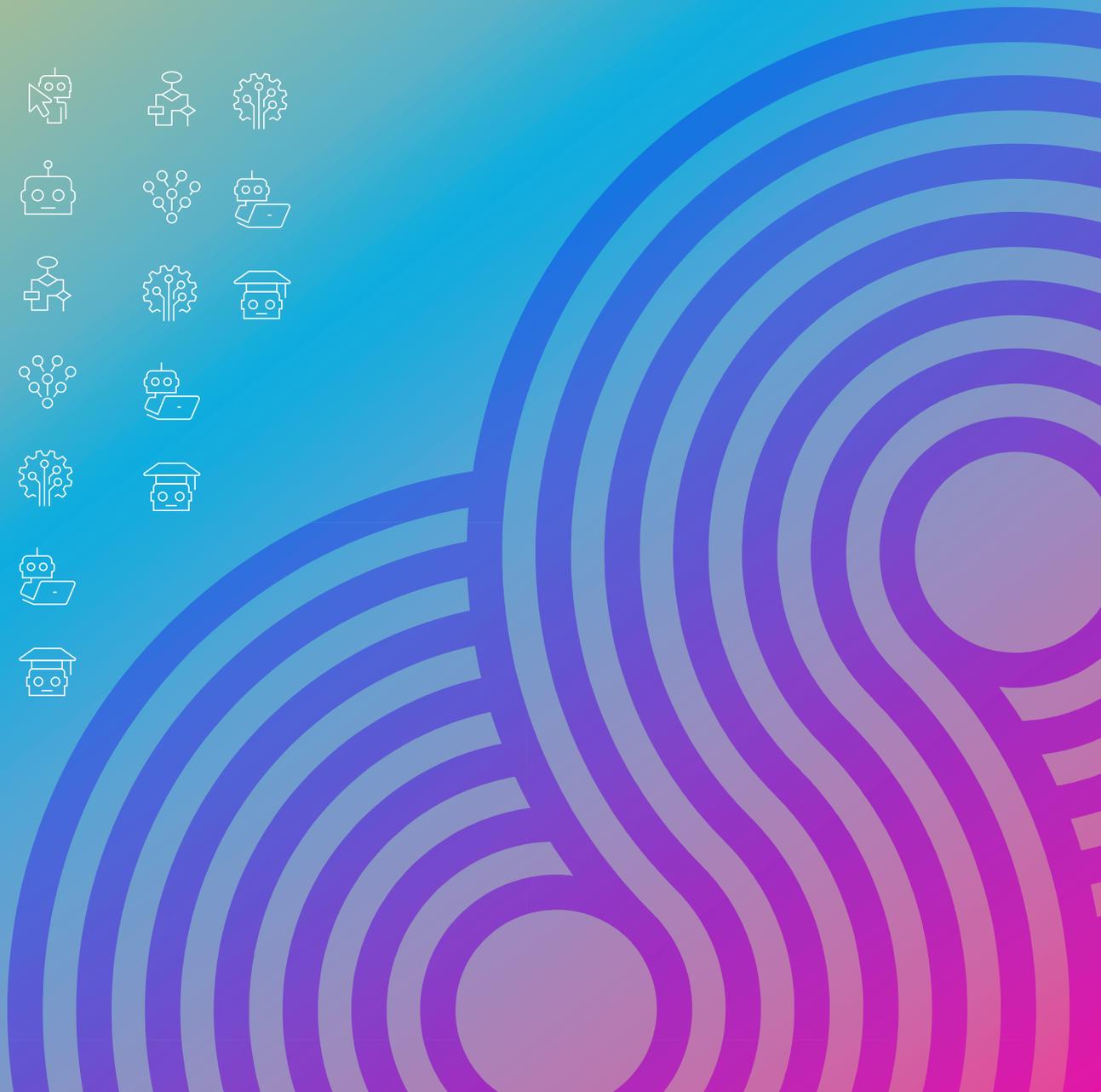




CONNECT UNIVERSITY

SUMMER SCHOOL 2018



About CONNECT University

Established in 2015, CONNECT University is an initiative by the EU Commission's Directorate General on Communication Networks, Content and Technologies (DG CONNECT) that aims to:

Develop a new digital mind-set, with digital issues systematically hardwired into Commission's policies, legislation and communication

Ensure that ongoing digital revolution retains a human element

Ensure that digital issues become a systematic component of any policy, legislation or communication emerging from the Commission. This concerns both DG CONNECT staff but likewise staff from other DGs and European Institutions

By its nature, Digital is crosscutting, as witnessed by the numerous projects DG Connect developed with many other DGs and institutions.

Since 2015, the role of Digital has increased significantly, becoming part of the core priorities of the Juncker Commission,

becoming not only an internal EU priority, but also one of the main vectors of the Union in its foreign relations. In the broader perspective of the European Union, Digital's valences equate with future Union competitiveness, growth and jobs, security, diplomacy and the development of a more equitable, prosperous and peaceful world.

With an increasing focus of the Commission on bringing the Union closer to the citizen, better communicating with citizens and other stakeholders, mainstreaming Digital in all aspects of European society, and with an increased awareness of the growth and labour changes impacting societies in Europe and around the world, CONNECT University shall endeavor to serve the expanded needs of EU Institutions pertaining to Digital, in moving from Digital-as-a-service to Digital-as-society. The future orientation of CU, in line with updated EU policies, shall place society at the center of its interests, warping the technological universe around it.





The CONNECT University Summer School 2018 on “Digital Learning” (25 June - 5 July) aims to empower learning through the use of technology, exploring how innovative technologies can be leveraged to increase the quality and accessibility of learning. We will discuss how blockchain could change education, explore the digital transformation in education, discover the world of AI and Machine Learning, look at ways of creating synergies between human and machines, take part of an exposition on eLearning solutions, underline ways of revolutionising learning through the use of AI and much more!

The 2018 CONNECT University Summer School | #CUSS18 will broaden our horizon concerning the Future of Digital, focusing on The Future of Learning in an era of Digital Disruption.

The goal is to increase awareness of digital matters by focusing on current trends and future potential brought forth by innovative technologies.

Join us in rethinking, reimagining and transforming learning in the digital age!



Connect University Summer School 2018

The Future of Learning in an Era of Digital Disruption

Register in [EU LEARN](#) and join us in rethinking, reimagining and transforming learning in the digital age!

25th of June	11:00-14:00	Digital learning as a tool for development BU25 0/S1 VC EUFO 151
26th of June	10:00-12:00	Redefining knowledge in the Digital Age BU25 0/S1 VC EUFO 280
27th of June	10:00-15:00	Innovative eLearning solutions (live demo – exposition in Droom) BU25 0/S1 & DROOM VC EUFO 151
28th of June	10:00-12:00	Reimagine Learning BU25 0/S1 VC EUFO 278 VC IPR 100/2002 VC SVQ ROOM A38
29th of June	10:00-12:00	The Age of AI - Towards a European Strategy for Human-Centric Machines BU25 0/S1 VC EUFO 151
2nd of July	10:00-13:00	How Can Blockchain Technology Innovate Education Berlaymont Robert Schuman room VC BU25 0/S1 VC EUFO 151 VC CDMA 05/A197 VC SVQ ROOM A29
3rd of July	10:00-13:00	The World of AI and Machine Learning Berlaymont Robert Schuman Room VC BU25 0/S1 VC EUFO 279
4th of July	10:00-13:00	The Importance of Digital Skills in Today's World Berlaymont Robert Schuman Room VC BU25 0/S1 VC EUFO 151 VC SVQ A29/12 VC IPR 100/2002
4th of July	14:00-16:00	Data Analytics and AI use cases of corporate relevance (practicing with Machine Learning algorithms and applications) Berlaymont Robert Schuman Room VC BU25 0/S1 VC EUFO 151
5th of July	10:00-12:00	The Impact of AI & Automation on Learning BU25 0/S1 VC EUFO 279 VC IPR 100/2102 VC SVQ ROOM A29

CONNECT University Summer School Session

Digital learning as a tool for development

Joint session CONNECT-DIGIT

The focus of the CONNECT University Summer School Session on “Digital learning as a tool for development” will be on the extraordinary impact that digital learning can have in helping to sustain development, both within and beyond the EU. To better explain the importance of this topic, particular attention will be devoted to policy-making and best-practices emerging from different Institutions. As Digital represents an inseparable part of today’s learning process, improving the uptake of technologies can make people flourish in our contemporary world. The classrooms are shaping the future, therefore it is essential to look at the way we train the children to better boost their productivity. Looking further, more needs to be done on how to best use digital means to reach education objectives. How can we use technology to empower learning?

Agenda of the session:

11:00-11:10 Introduction by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

11:10-11:30 Presentation by Rehana Schwinninger-Ladak, European Commission, DG CONNECT Head of Unit G2, Data Applications and Creativity

11:30-11:55 Presentation by Miho Taguma, OECD

11:55-12:10 Presentation by MEP Brando Benifei, European Parliament

12:10-12:30 Presentation by Bernard Kirk, Co-Founder - Africa Code Week

12:30-12:50 Presentation by Julia Klier, Frédéric Panier, McKinsey & Company

12:50-13:10 Presentation by Alexander Ziegler, IBM

13:10-13:55 Q/A session

13:55-14:00 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University



**Rehana
Schwinninger-Ladak**

Rehana Schwinninger-Ladak was appointed Head of the Unit “Data Applications and Creativity” in January 2018. The Unit’s mission is to support the digital transformation of cultural and education institutions by i) promoting the digitisation of cultural heritage and its wider access and reuse through new technologies and the further development of Europeana as Europe’s platform for digital cultural heritage and ii) fostering the modernisation of education and training systems in an age of rapid technological changes.

To this end, the unit supports policy, research, innovation and the wider take up of interactive technologies, learning technologies and

connectivity to allow European citizens to have a richer experience of cultural and educational content and to allow European businesses to create value from digital cultural heritage.

In her previous position at the European Commission, Rehana was the deputy Head of the Unit responsible for Learning, Multilingualism and Accessibility. Prior to it, she was closely involved in the development and follow-up of the European regulatory framework on audiovisual media and the Commission’s strategy on Data.

Rehana holds a degree in finance and economics and a master in actuarial science.



Miho Taguma

Miho Taguma is Senior Policy Analyst in the Early Childhood and Schools Division of the Directorate for Education and Skills at the Organisation of Economic Cooperation and Development (OECD). She is currently leading the new OECD initiative, Education 2030, which aims to help countries to explore different dimensions of 21st century competencies which modern education systems need to develop in students towards the world in 2030 (Project Phase 1: 2015-2018); and in a later stage (Project Phase 2: 2019 and beyond), help countries explore the learning environments and education systems that can support the development of these competencies. The project will focus on secondary level education, where relevant, including vocational education and training while recognising a life-long learning continuum.

She is also leading the OECD's work on early childhood education and care (ECEC), including the OECD Network on Early Childhood Education and Care (ECEC), the international ECEC staff survey, the policy reviews of ECEC which have resulted in the OECD Starting Strong publication series. In the past, she has led various policy reviews such as on migrant education, recognition of non-formal and informal learning. During her post at the Centre for Educational Research and Innovation, she worked on "E-learning in Tertiary Education". She was also involved in the UNESCO-OECD Policy Review of Education Sector for Mauritius as a review team member. Prior to joining the OECD, she was working in the Education Sector of UNESCO, such as on intercultural dialogue and education projects.





Brando Benifei

Brando Benifei, European Federalist is one of the youngest MEPs and is from La Spezia, Italy. His main fields of legislative work in the EP are Employment and social affairs and Foreign affairs. He is co-chair of the Youth Intergroup and vice-chair of the Disability Intergroup.

Among his parliamentary activities in the Committee of Employment and Social Affairs, he is currently Rapporteur for the European Solidarity Corps and was responsible for key legislative and non-legislative reports on the social inclusion and integration of refugees into the EU labour market.

Activities include youth employment policy such as the Youth Guarantee and the Youth Employment Initiative; digitalisation and rights of persons with disabilities. He was recently awarded the MEP Award 2018 for his commitment on employment issues, in particular youth unemployment.





Bernard Kirk

Bernard is a former primary school teacher and is currently CEO of The Camden Education Trust, a not for profit based in Ireland. He was formerly director of Galway Education Centre, the Department of Education & Skills funded provider of Continuing Professional Development for teachers. Bernard co founded Africa Code Week and Refugee Code Week. In Ireland, Bernard organises the FIRST LEGO League, Junior LEGO League and EA Games Sumo Robotics competitions. He is also co founder of EXCITED the Digital Learning Movement. He has engaged closely with companies such as Medtronic, SAP, EA Games, Accenture, HP, SOS Ventures and Kuka Robotics in creating educational initiatives. Bernard is Chairperson of Philanthropy Ireland. He is also an advisory board member

of Ashoka Changemaker Schools and is a member of the Science Gallery Education Committee, a Science Gallery Emeritus Leonardo and Ashoka Change Nation - Change Leader. Bernard mentors early start - ups for Social Entrepreneurs Ireland and the Social Innovation Fund Ireland. He advises a number of family Foundations on their philanthropic projects in education. In 2013 he was awarded an Honorary Masters in Science by National University of Ireland, Galway for his contribution to the education of our young people throughout his career.





Dr. Julia Klier

Dr. Julia Klier is a Partner at McKinsey & Company's Munich office. She serves clients in public and private sector organisations on labour market strategies, education and mobility strategies to drive large-scale performance transformations. As the leader of McKinsey's Digital and Analytics service line in the public sector in Germany, her main professional interests are at the cross-roads between these topics. Julia has published widely on the topics of digitalisation, skills,

education and employment, both at McKinsey and as an Affiliated Researcher at Augsburg University in business information systems, where she received several awards (e.g. 100 Women of Tomorrow; Researcher of the Year). She has co-led the development of several innovative digital tools, such as the Digital Maturity Assessment Tool and the Org Diagnostic Tool Implicit Association Test for Business Context.



Frédéric Panier

Frédéric Panier is an Associate Partner in the Brussels office. Over the last three years, Frédéric has focused his work on comprehensive K-12 education reform and improvement of adult professional training. As part of this work, Frédéric has helped support the deployment of new digital tools in K-12 education. He has contributed to McKinsey's 2017 report applying cutting-edge machine learning analysis to PISA education data.

Frédéric is also working on the skill and learning implications of the Artificial Intelligence revolution. Before joining McKinsey, Frédéric completed a PhD in public economics from Stanford University with a focus on labour, public finance and education topics. Frédéric also holds a master in Economics as well as a Master in Law.



Alexander Ziegler

Alexander Ziegler is the program director, business development training and skills for IBM. He worked throughout his career at Oracle, PeopleSoft and Crossworlds in various positions in Sales, TechSales and Education. In 2006, he took over the role as the European lead for IBM's Software Education business. He started the transition of this P&L-driven model in Nordics and UK into a partner-led model, and implemented the same model in 2012 in Japan and Africa, before he took over the role a partner manager for one of IBM's training partners. In 2016, he moved

to the role of program director, business development and offerings. In his current role Alexander is driving new offerings into the market and is leading all routes to market, including all education partners. One big focus is to explore new areas of education to drive maximum product adoption for IBM in the area of Cloud, Watson and AI.



CONNECT University Summer School Session

Redefining knowledge in the Digital Age

The CONNECT University session on “Redefining Knowledge in the Digital Age” will highlight the fact that humans and students are no longer the objects of learning, but rather becoming the subjects dominating the learning process. How such changes will impact the way humans learn in the digital age is the question that we wish to answer through this session. The goal is to increase awareness of what is happening to the learning processes in such permanently changing environment.

In his talk Dr Galvin will explore briefly two aspects of our times that we need to engage if knowledge is to remain at the core of the human endeavour. First, we need to consider the claim that the nature of knowledge is shifting as never before, so that consequently we can no longer be confident of what it even means to know. And second we need to consider and respond to the claim that our world now constantly demands we converge around how we see & understand knowledge and how we use it in ways that lessen rather than broaden the human experience.

Koen Timmers will focus on some global educational projects and some alternative learning approaches in which collaboration and technology enhanced learning are key.

What do YOU think it means to ‘know’ in the digital age?

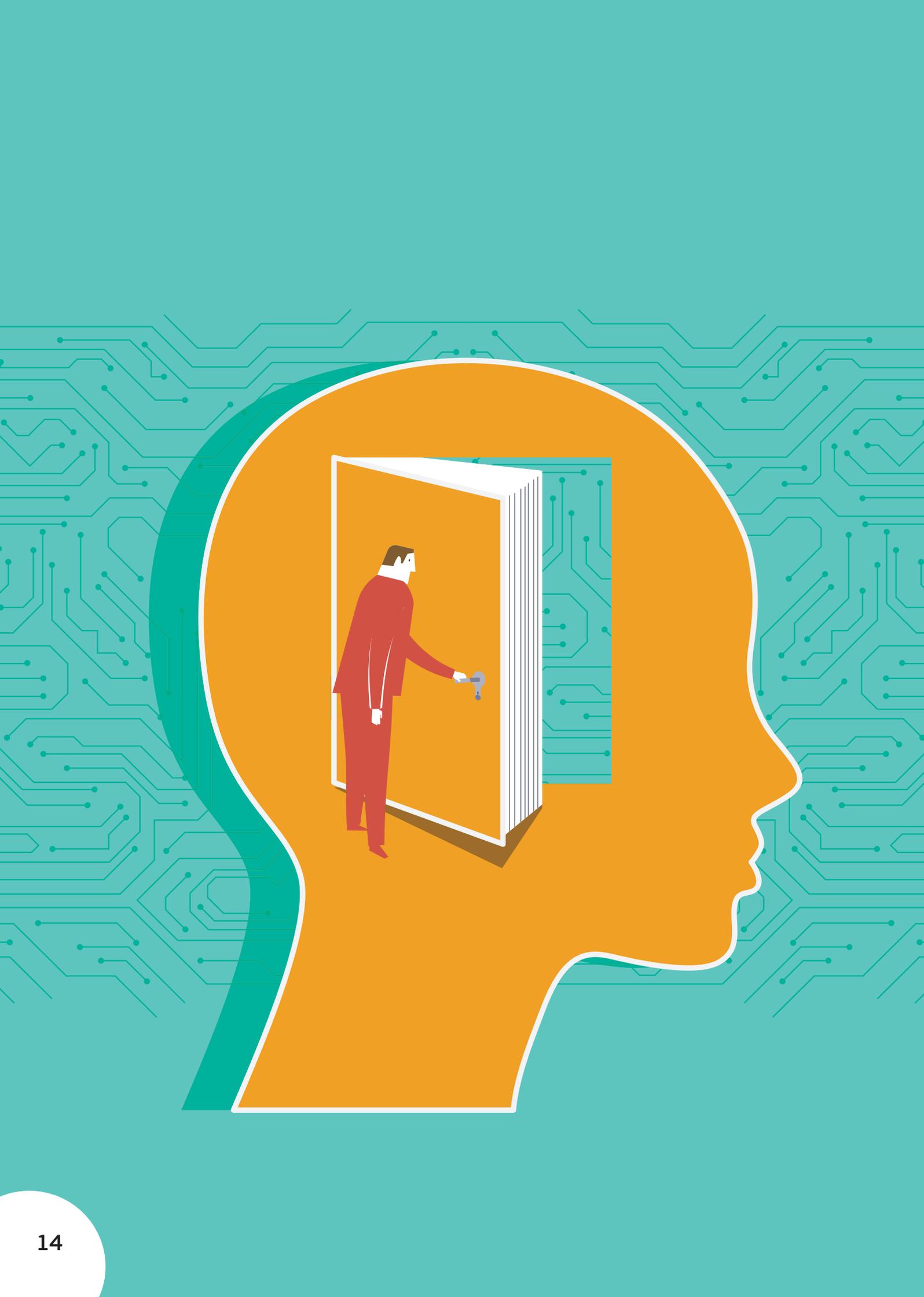
Agenda of the session:

10:00-10:05 Introduction by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

10:05-11:15 Presentation Conor Galvin, UCD Dublin, Ireland, followed by a Q/A session

11:15-11:50 Presentation Koen Timmers, PXL University College Hasselt, followed by a Q/A session

11:50-12:00 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University





Dr Conor Galvin

Dr Conor Galvin is based at UCD Dublin, Ireland, where he Lectures & Researches on various education, public policy, and research methods programmes. His research interests include policy networks, professional knowledge, and the impact of new and emergent technology on learning and society. He is a Lead Partner on an EU Funder Knowledge Alliance, KA 2 project under ERASMUS+; the ITELab Project, 2017-19. Since 2009, Dr Galvin has been Coordinator of the Global Classroom strands of the UCD /TCD Masters in Development Practice programme – a unique, co-awarded programme with Trinity College Dublin. He also contributes to peace support education programmes at the UN School Ireland (UNTSI) where he has directed field exercises for both humanitarian and military personnel

preparing for PSO deployment. He was on the Steering Committee of the Centre for Global Development through Education, a Government of Ireland / Irish Aid funded initiative, 2008-11.

Dr Galvin holds The President's Award for Teaching Excellence at UCD and the National Forum for University Teaching & Learning / Union of Students in Ireland Award for Innovative and Engaging Teaching. He is immediate past-President of the Education Studies Association of Ireland. In Dec 2017, Dr Galvin was appointed to the Minister for Education's Working Group on the Schools Excellence Fund – Digital, Ireland. Before joining UCD, Dr Galvin taught and researched at University of Wales Swansea, and University of Cambridge, England.





Koen Timmers

Koen Timmers is a Belgian educator, author, speaker and SDG ambassador. In 2018 he was announced as one of the best teachers of the world by Bill Gates as part of the Global Teacher Prize. He's a lecturer and researcher at the Teacher Training department at PXL university college Hasselt. Koen is passionate about technology enhanced and collaborative learning. In 2015 he launched the Kakuma project in which 175 global educators offer free education to African refugees via Skype. He also launched several global educational projects focusing on several UN SDGs involving 500 schools over 85 countries. The Climate Action project and Innovation project are non-funded and were supported by His Holiness the Dalai Lama, UNESCO, Greenpeace, Charlize Theron, Dr. Jane Goodall, National Geographic,

etc. These projects were covered by (national) media across 25 countries. Koen is one of the 50 Microsoft Expert Educator Fellows around the world, winner of the HunderED award as one of the 100 global educational innovators, National Geographic Certified Educator and TeachSDGs founding ambassador. He's co-author of the book "Teaching in the Fourth Industrial Revolution" which is available at Amazon. He created several educational apps and websites and founded his own online school Zelfstudie.com currently having 20,000 online students.

More info: www.timmers.me



CONNECT University Summer School Session

Innovative eLearning solutions

As the technology evolves, disruption arrives from all angles, therefore the aim of the CONNECT University Summer Session on “Innovative eLearning solutions” is to explore the impact that digital learning can have nowadays. Today, the offer in terms of learning is exploding, while proposing a range of increasingly diversified solutions that can be used independently or in combination.

The session will include an exposition taking place in DROOM where different innovative solutions will be presented (Blended learning, Digital Learning, Virtual Reality, MOOCs, Mobile Learning, Ed Tech). The exposition will provide you the opportunity to explore proven examples that will inspire you to look at learning differently, highlighting the opportunities new technologies can provide.

Agenda of the day:

10:00-12:30 Presentations – BU25 0/S1

10:00-10:05 Introduction by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

10:05-10:25 Presentation by Radu Jugureanu, SIVECO

10:25-10:45 Presentation by Nouri Zouaghi, Deloitte

10:45-11:05 Presentation by Kristian Collin Berge, Differ

11:05-11:25 Presentation by Simon Tindall, Open University

11:25-11:45 Presentation by Rémy CREPON, API Learning

11:45-12:05 Presentation by Jung Yeon Park, KU Leuven

12:05-12:30 Q/A

12:30-13.00 Lunch DROOM

13:00-15:00 Demos DROOM & DG DIGIT Cyber Ready & VR experience “Beyond the Castle”



Radu Jugureanu

Radu Jugureanu graduated Mathematics at the University of Bucharest in 1984. Since 1987 he worked on several research and PhD programs on pedagogy and educational software for K12 education. He continued his education gaining competences in the following: Management in youth organizations, Senior Teacher in non-formal education, CISCO Certified trainer for CNAP, Senior

Project Management & Product Management and research studies in pedagogy on virtual reality. Since 2003 he is leading the Educational Software Department at SIVECO Romania, with projects, implemented in over 20 countries on three continents.





Nouri Zouaghi

At Deloitte, Nouri Zouaghi has varied roles covering Learning Solutions, Talent Management, Change Management and HR transformation. He is part of the Belgian Public Sector management team and leads the Human Capital activities for the European Commission and Institutions. Nouri has been involved in engagements for a multitude of EU Institutions: DG HR, DIGIT, DG ECHO, DG EMPL, DG TAXUD, DG SCIC, DG DEVCO, DG COMM, EUIPO, ECDC, EMA, REA, EIB, etc Since starting at the firm, he has developed his expertise

and knowledge of the European Commission and Institutions and has been involved in many learning strategy, learning operations, learning design & development and learning technology projects. Prior to joining Deloitte, Nouri was an involved entrepreneur with a proven track record in the area of blended learning, learning technology, e-business and digital communication.



Rémy Crepon

Rémy Crepon is the founding director of API-LEARNING S.L., an e-learning consulting firm and content editor for academia and industry. Rémy received his MD in engineering from ECAM Lyon, and his MSc degree in energy and powertrains from IFP-school. After 8 years of work in the design and testing of internal combustion engines in diverse engineering centres worldwide, Rémy earned an international MBA degree at IE Business School. In 2010, he started API-LEARNING in order to support engineering schools and

companies in the process of designing and developing innovative digital resources. API-LEARNING is now a provider of industrial companies in various domains.

Rémy CREPON received his PhD in innovative didactics from the Faculty of Education at the Complutense University of Madrid. His research work focuses on instructional design methodologies for the provision of learning resources for higher education and corporate training.



Kristian Collin Berge

What if every person in the world could get personalized help and feedback when learning something new? This is the case in active learning communities where learners collaborate and help each other. Instructors have been trying to create these kinds of communities for years, but only getting 5% participation in their LMS forums, or 20% participation in their FB groups. Working with universities in Europe and US, the Differ team is developing a best practice for facilitating collaborative learning at scale, and automating

this with chatbots in their messaging app Differ. Results so far show up to 19x increase in student collaboration and 3x increase in course completion rates. Kristian Collin Berge is co-founder and CEO at Differ, and an entrepreneurship teacher at the University of Oslo. Previous speaking engagements include EdTechX Europe, SXSWedu, ASU+GSV Summit, World Learning Summit and others.



Simon Tindall

Simon Tindall is the Director of New Business at the Open University. His role is to develop new business propositions and incremental revenue streams for the University, utilising its unique position within the UK and International Markets. Simon is interested in partnering with others to develop more effective ways of online teaching and training at scale, particularly in addressing the digital and core skills shortages across Europe. Previous to Simon joining the Open University, he worked in a variety of hi-tech and design roles with Sony, Sun Microsystems and Steelcase.



Dr. Jung Yeon Park

Dr. Jung Yeon Park is a Senior Researcher in Statistics at ITEC, IMEC's research group at KU Leuven. Her research focuses on the development of statistical methods and data mining techniques to understand causes, patterns, trends, and consequences of educational outcomes in the e-learning environments. Dr. Park received her doctorate in 2015 from Columbia University where she was a recipient of National Science Foundation doctoral fellowship. She also worked as a biostatistician at U.S. FDA, New York State

Psychiatric Institute, and NYU's Institute of Human Development and Social Change. She is a member of American Educational Research Association and Psychometric Society.



Daria Catalui

Daria Catalui works in DIGIT building up Cyber Aware corporate programme for EC colleagues. She is a 2nd year PhD student in Technology Enhanced Learning at Lancaster. Her research interests include gamification, training and awareness in cyber security.



Marco Arena

Marco Arena is a game designer, graduated from the Università Milano Bicocca in Economics, he holds a MSc from the University of East Anglia. After spending 4 years in Fiji and Samoa working for the United Nation Development Programme in a training programme for government officials, he decided to return to Milan and founded “Beyond the Gate” a start-up focused on edutainment and virtual reality.



Clara Lopera

After studying graphic design, Clara Lopera, born in Colombia with an Italian heritage, worked for a year as an entrepreneur in her own event planning business. After realizing her true passion was education, she decided to do her MA in Art History at the Università degli studi di Milano. Right now, she’s working for Beyond the Gate, focusing on project management of education Virtual Reality products.



CONNECT University Summer School Session

Reimagine learning Joint Session CONNECT-JRC

With education at the backbone of growth and inclusion in the EU, it is essential to make the most of the digital opportunities of a fast-moving world. There is absolutely no doubt that the digital transformation can enhance learning outcomes, transforming educational environments. The CONNECT University Summer School Session on “Reimagine Learning” will look at the tomorrow’s schools, discussing the challenges of our current approach to learning and exploring how to leverage technology to enhance education goals.

How the schools fare in embracing new technologies and providing digital competencies? Are the schools using the technology’s potential at its highest? Which are the aspects that are holding them back and how to overcome them?

Agenda of the day:

10:00-10:10 Introduction by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

10:10-10:30 Presentation by MEP Yana Toom

10:30-10:50 Presentation by Alexa Joyce, Director of K12 Strategy, Microsoft

10:50-11:10 Presentation by Pasi Silander, Educational futurist – Finpeda

11:10-11:30 Presentation by Pan Kampylis, Joint Research Centre B4

11:30-11:55 Q/A

11:55-12:00 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University



Yana Toom

Yana Toom is a Member of the European Parliament. In the past she has been a journalist and an editor-in-chief until she started her career in politics. She first served as the Vice-Mayor of Tallinn and later as a Member of National Parliament in Estonia. She is a member of the Committee on Culture and Education and the Rapporteur on education in the digital era.



Alexa Joyce

As Director of K12 Strategy, Alexa Joyce works across the education system – whether with leaders, teachers or school leaders – to transform education. Alexa has advised governments in more than 60 countries across the world in digital transformation in education. Formerly Senior Business Development Manager at European Schoolnet, the network of Ministries of Education in Europe working to innovate in education, she program-managed a portfolio of large scale European Commission funded projects and multi-stakeholder partnerships in ICT in education, STEM education and sustainability education. Previously she worked at UNESCO Asia-Pacific Bureau of Education, leading some of the first ICT in education implementations and teacher training programs in the region. She has also consulted for UNESCO International Institute

of Educational Planning, Paris, the OECD Centre for Educational Research and Innovation, and Deloitte. Alexa was Executive Advisor to the Hewlett Packard STEM+ Catalyst global program for education, executive committee member of the European Centre for Women and Technology and the European e-Skills Association, and currently is on the advisory board of AllDigital. She has a Masters in Biological Sciences from the University of Oxford, an MBA from Solvay Brussels School of Economics and Management, Belgium, and a Post Graduate Certificate in Education Technology from University College London (UCL). She is currently pursuing part-time doctoral studies in Education and Technology at the Institute of Education (UCL).



Pasi Silander

Pasi Silander, an educational futurist, is a computer scientist and an expert on digitalization. He also has a background in learning psychology and in pedagogy. He has worked long-time as a researcher and developer of eLearning, and he has created new innovative concepts, pedagogical practices and design methods that are widely used in the Finnish education system. He is one of the developers of the phenomenon-based learning and teaching methods (PhenoBL). The objects of research and development have included leadership, digital transformation in education, phenomenon-based learning, and learning process based teaching, methods

of producing digital learning materials and cognitive tools, innovative digital learning environments and PLEs, as well as technological and pedagogical solutions for mobile learning. The research and development have taken place both in the business and public sector as well as in the research sector. Silander has led the digitalization process of the Helsinki city school district (including around 120 schools), a systemic development process of new digital learning and teaching culture. Currently he is responsible for developing intelligent data analytics for education and the Smart Schools – the schools of the future.



Panagiotis Kampylis

Panagiotis Kampylis joined the Human Capital and Employment Unit of the Joint Research Centre (JRC), the European Commission's in-house science service, in January 2012. He contributes to research and policy support in the field of learning and skills for the digital age. Currently, he is the project leader and principal researcher of SELFIE, the self-reflection tool for digitally capable schools. Before joining the JRC, Panagiotis worked as a primary school teacher, music teacher,

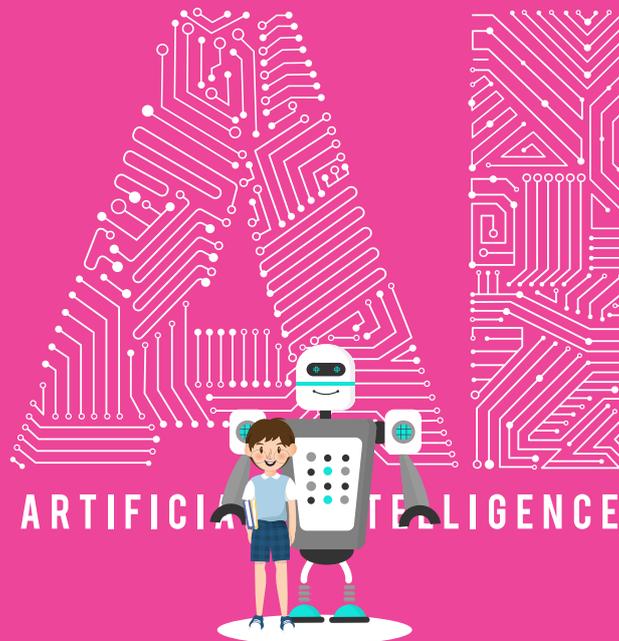
head teacher, teacher trainer and creativity researcher. He holds a Ph.D. in cognitive science and his research interests include creativity and innovation in education and training, arts education, technology-enhanced learning, digital competence and entrepreneurship competence.



CONNECT University Summer School Session

The Age of AI - Towards a European Strategy for Human-Centric Machines

The CONNECT University Summer School Session on “The Age of AI - Towards a European Strategy for Human-Centric Machines” explores the opportunities and ethical challenges that come with AI and focuses on how Europe can sharpen its competitive edge vis-à-vis other leading economies, such as the United States and China. Deployed wisely, AI holds the promise of addressing some of the world’s most intractable challenges. But the significance of its positive impact is mirrored by its likely destabilising effects on some aspects of economic and social life.



Agenda of the day:

10:00-10:10 Opening by by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

10:10-10:40 Presentation by Mario Mariniello, EPSC

10:40-11:30 Q/A

11:30-11:40 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University



Mario Mariniello

In his capacity of Digital Adviser, Mario Mariniello leads the EPSC work related to Digital Single Market issues. Mario holds a Ph.D. in Industrial Organization from the European University Institute of Fiesole (Florence) and a M.Sc. in Economics from CORIPE (Turin). He currently teaches a course in Digital Economy at the College of Europe and has previously taught a course in European Economic Integration for Master students at the Université Libre de Bruxelles (ULB). Mario

joined the EPSC from Bruegel where he was Research Fellow for Competition Policy and Regulation. With Bruegel, Mario published extensively on issues related to competition policy and ICT regulation. His columns and policy works have been published or quoted in leading international media, such as Financial Times, Wall Street Journal, New York Times, La Tribune, Der Spiegel, Project Syndicate, Vox, Les Echos, De Standaard and others. He is a frequent speaker at international conferences.



CONNECT University Summer School Session

SG IT SUMMER COURSE

How Can Blockchain Technology Innovate Education

Joint Session CONNECT-JRC

During the CONNECT University Summer School Session on “How can Blockchain Technology Innovate Education”, cutting edge studies will offer a fascinating approach to deploying Blockchain technology across different industries, including education. It is believed that blockchain will disrupt each industry, having a huge potential to drive digital transformation.

Agenda of the day:

10:00-10:10 Introduction by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

10:10-10:30 Presentation by Chiara Mazzone, DG CONNECT F3

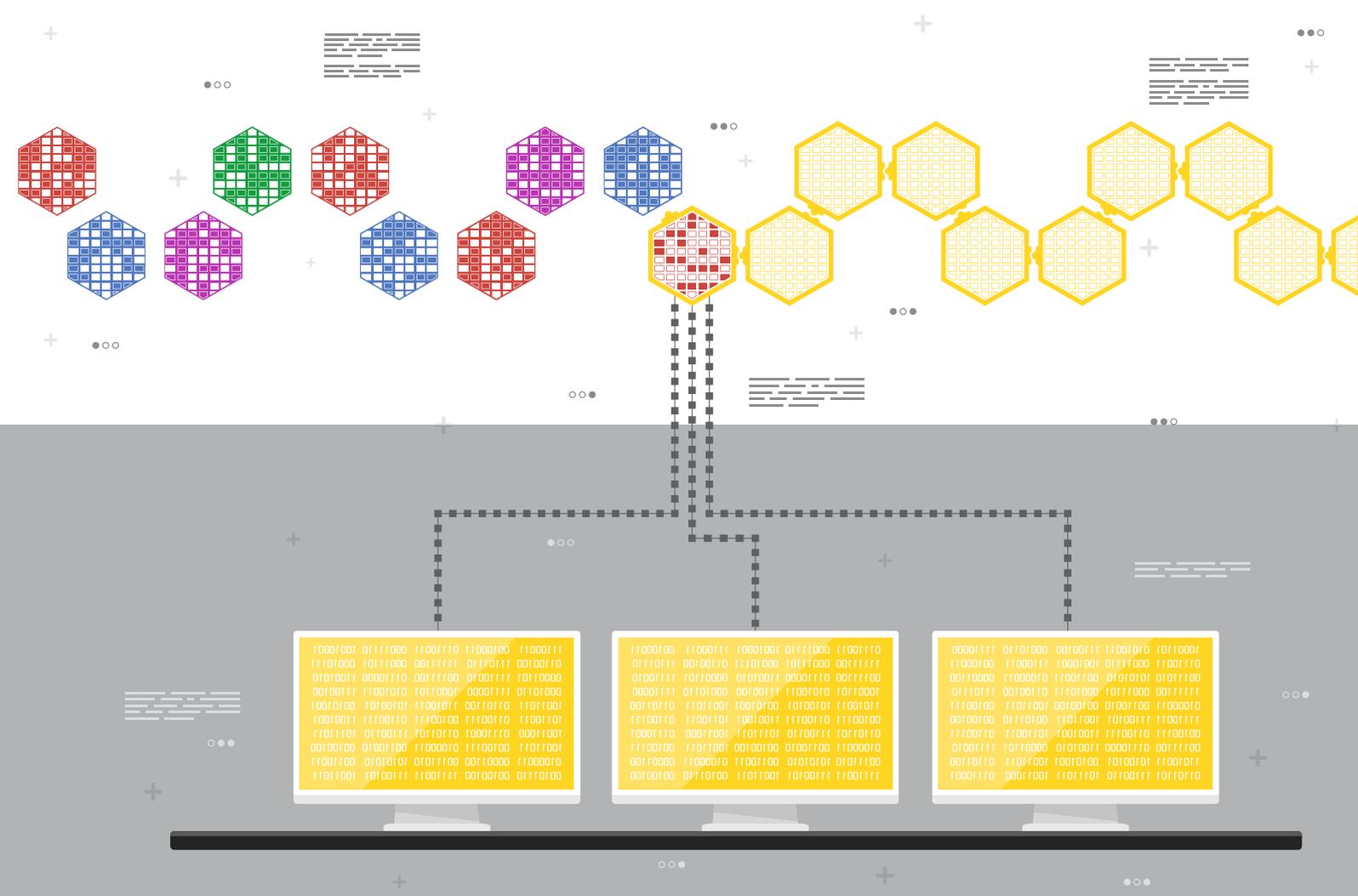
10:30-10:50 Presentation by Andreia Inamorato, JRC B4

10:50-11:20 Primavera De Filippi, National Center of Scientific Research (CNRS)

11:20-12:00 Richard Maaghul, Adel El Messiry and Larry Bridgesmith, ODEM

12:00-12:55 Q/A

12:55-13:00 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

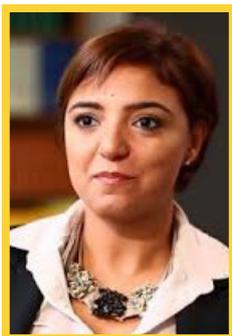




Chiara Mazzone

Innovation and Blockchain Policy Officer at the European Commission in DG CONNECT, Chiara Mazzone has been working in the innovation field since 2010. She is in charge of Blockchain and DLT applications in the Innovation and Startups Unit and is a member of the European Commission Task Force on FinTech. She also worked on access to finance, start-ups and scale-ups policies. Previously she was at the helm of the Brussels EU Office of the Region

Provence-Alpes-Côte d'Azur (France) after she gained extensive experience in Research and Innovation policies dealing with local, regional stakeholders as well as national ministries. In the past she assisted the Director General of a French local authority and was associate professor in Sciences Po Paris. Chiara holds a Diploma In European Affairs, Law and Economics from Sciences Po (France) and University of Pavia (Italy).



Andreia Inamorato

Dr Andreia Inamorato is a scientific officer in the Human Capital and Employment Unit (B4) at the European Commission's Joint Research Centre. She is the lead researcher on the subject of open education in EU higher education institutions, as well as acting on its promotion and uptake. Her work contributes to finding opportunities and challenges of digital technologies and open education

implementation at a policy level to innovate and modernise teaching, learning and training practices in Europe. Her research portfolio also includes the continuous professional development of academics, recognition of non-formal learning, digital credentials and the opportunities and challenges of blockchain use in educational contexts.



**Primavera
De Filippi**

Primavera De Filippi is a permanent researcher at the CERSA / CNRS / Université Paris II. She is a faculty associate at the Berkman Center for Internet & Society at Harvard Law School, where she is investigating the concept of governance-by-design as it relates to distributed online architectures, such as Bitcoin, Ethereum, etc. Primavera holds a PhD from the European University Institute in Florence. She is a member of

the Global Agenda Council on the Future of Software & IT Services at the World Economic Forum, as well as the founder of the Internet Governance Forum's dynamic coalitions on Network Neutrality, Platform Responsibility and Blockchain Technology. In addition to her academic research, Primavera acts as a legal expert for Creative Commons and the P2P Foundation.



Richard Maaghul

Richard Maaghul is a seasoned Silicon Valley entrepreneur with more than two decades of experience in emerging-and-disruptive technologies. A former software provider to Chevron Corp. and a co-founder of ODEM's education partner Excelorators Inc., Rich is committed to using blockchain technology to make higher education more accessible and affordable.



Dr. Adel El Missery

Dr. Adel El Missery is a proven technology leader and out-of-the-box thinker. He is a product of North Carolina State University where he earned a doctorate in computer science, machine learning and natural-language processing. He played a central role in the founding and growth of several tech companies, including Utilize Health and InVivoLink.



Larry Bridgesmith

Larry Bridgesmith Adjunct Professor of Law at Vanderbilt University School of Law in Nashville, has been named ODEM's Chief Education Strategist. Larry has more than 30 years of experience delivering innovative workplace strategies to clients, students and business entities.



CONNECT University Summer School Session

SG IT SUMMER COURSE

The World of AI and Machine Learning

As we want technology to empower, it is important to understand how machines and humans can work in a synergy where we both use our strengths. The session on “The World of AI and Machine Learning” will start by highlighting the fundamentals of Machine Learning and Artificial Intelligence with concrete examples illustrating the underlying concepts and afterwards we will discover how Artificial Intelligence is rapidly transforming the world of learning.

Agenda of the day:

10:00-10:05 Introduction by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

10:05-10:25 Presentation by Andrea Renda, CEPS

10:25-10:50 Presentation by Franco Accordino, HoU DG CONNECT R3, Max de Wilde, DG CONNECT R3

10:50-11:10 Presentation by Thomas Roca, Microsoft

11:10-11:35 Presentation by Valtencir Mendes, UNESCO

11:35-11:55 Presentation by Sahil Tesfu, McKinsey & Company

11:55-12:55 Q/A

12:55-13:00 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University





Franco Accordino

Franco Accordino is the Head of the “Knowledge Management and Innovative Systems” unit within the European Commission’s Directorate-General for Communications Networks, Content and Technology (DG CONNECT). The unit support business processes and foster service innovation by deploying state-of-the-art technologies and solutions for staff members and stakeholders.

Before becoming Head of Unit, Franco led the Task Force “Digital Futures”, a participative foresight project aiming to devise 2050’s visions and policy ideas underpinned by the digital transformation.

During his experience at the European Commission, Franco worked as a scientific and policy officer and Director’s Assistant in such fields as Future and Emerging Technologies,

Future Internet, High-Performance Computing, Grid and Cloud technologies, Trust and Security.

Before joining the European Commission, he worked at the ETHZ/CSCS National Supercomputing Centre of Switzerland and at the National Research Council of Italy where he conducted research on formal methods, languages and tools for complex systems specification.

He has a long-standing experience in several information technology fields, including formal methods and software engineering, grid and distributed systems, network centric operating systems, web-based platforms, machine learning and data analytics.



Andrea Renda

Andrea Renda is a Senior Research Fellow and Head of Regulatory Policy at CEPS. He is also Chair for Digital innovation at the College of Europe in Bruges, and non-resident Senior Fellow at Duke University's Kenan Institute for Ethics. He specializes in regulatory governance, cyberpolicy and the ethics, law and economics of emerging technologies. He also specialized

in EU law and policy. Over the past two decades, Andrea Renda has provided academic advice to several institutions, including the European Commission, the European Parliament, the OECD, the World Bank and several national governments around the world. He holds a Ph.D. degree in Law and Economics awarded by the Erasmus University of Rotterdam



Thomas Roca

Thomas Roca is an Economist and Data Strategist focusing on data to study labor mobility, skills evolution and the future of work. Before joining Microsoft, Thomas held different positions within the French administration, as a researcher and statistician and ultimately data officer, fostering the use of big data

& machine learning for policy making. He collaborated with the United Nations serving as a visiting research fellow at the Human Development Report Office in New York. As a research fellow with Data-Pop Alliance he gives data literacy and coding training to students and UN staff.



Valtencir M. Mendes

Valtencir M. Mendes is Project Officer at the Unit for ICT in Education at UNESCO. He is designing, coordinating and monitoring the implementation of activities under the framework of the UNESCO Mobile Learning Week; assisting the Director of ED/PLS in providing consultative support and strategic advice on UNESCO's engagement with different programmes on ICT in education policy including frontier technologies such as AI, and contributing to other cross-cutting ICT in education activities and projects. He holds a European PhD in Project and Systems Engineering from Universitat Politècnica de Catalunya (UPC) in collaboration with the University of Glasgow, UK which involved research focused on the multi-stakeholder

partnerships working towards the achievement of the UNESCO Education for All campaign, and the contribution of emerging innovative ICT. His latest master's degree is in Leadership and Social Innovation in Non-Governmental Organizations from ESADE. Previously, he was the Head of International Projects at the Jaume Bofill Foundation in Barcelona, Spain, where he designed and managed different educational research projects and conferences in partnership with organizations such as the OECD, UNESCO, and IAU among others. In addition he was the Observatory Co-ordinator at the Global University Network for Innovation, a UNESCO, United Nations University and UPC joint-project.





Sahil Tesfu

Sahil Tesfu is an Associate Partner at McKinsey & Company’s Munich office. After completing her business administration degree in Münster and her MBA at the IESE Business School in Barcelona as well as the Haas School of Business at Berkeley, she initially worked as a consultant leading projects on transformation topics, in particular in the area of digital strategy. Today, at McKinsey, she mostly advises intergovernmental organisations and national governments on topics around digitising service operations, reorganization and HR strategy accommodating for skill shifts in times of digitalisation. Recently, she

has led the development of an electronic “transparency cockpit” at a government agency allowing for analysing data from multiple sources at real time and making this information available for each regional branch. The economic, technological and social implications of digital transformation and AI are currently at the top of the research agenda of the McKinsey Global Institute (MGI), McKinsey’s independent research arm. Sahil has contributed to several MGI publications in the past few years.



Stéphanie Weiser

Stéphanie Weiser is a member of the DORIS Team in DG CNECT.R3 which goal is to provide data analytics services to support policy making. Specialist in Natural Language Processing with a PhD in Computational Linguistics, she coordinates the development of innovative tools and services.



Max De Wilde

Max De Wilde holds a MA in computational linguistics from the Universiteit Antwerpen and a PhD in information and communication from the Université libre de Bruxelles. He has been working for DG CNECT (DORIS team) as a freelance consultant in text and data mining since 2016, and also teaches natural language processing and information technology to MA-level students in Brussels and Geneva.



CONNECT University Summer School Session

SG IT SUMMER COURSE

The Importance of Digital Skills in Today's World

Joint Session CONNECT-JRC

As we are living in a permanently changing world, the ability of the individual to adapt, learn and re-skill is crucial. Understanding how to harness the power of Digital can make a huge difference nowadays and acquiring digital skills is believed to be the success key.

Agenda of the day:

- 10:00-10:05 Opening by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University
- 10:05-10:20 Introduction by Claire Bury, Deputy Director General in DG CONNECT
- 10:20-10:40 Presentation by Fabrizia Benini, HoU DG CONNECT F4
- 10:45-11:10 Presentation by Anja Balanskat, European Schoolnet
- 11:05-11:25 Presentation by Yves Punie, HoU JRC B4
- 11:25-11:45 Presentation by David Timis, Global Shapers Community, World Economic Forum
- 11:40-11:55 Presentation by Doug Belshaw, Dynamic skillset
- 11:55-12:55 Q/A session
- 12:55-13:00 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University





Claire Bury

Claire Bury is currently Deputy Director General in DG CONNECT with responsibility for regulatory aspects of the Digital Single Market. She is also a Visiting Professor at the College of Europe in Bruges. She was previously Director of Modernisation of the Single Market in Directorate General Internal Market, Industry, Entrepreneurship and SMEs. Before that, she was Head of Unit for

Company Law, Corporate Governance and Financial Crime in Directorate General Internal Market and Services, and Deputy Head of Cabinet to Internal Market Commissioners Charlie McCreevy and Frits Bolkestein. An English barrister by training, she worked in the Commission's Legal Service and, before coming to Brussels, in the UK Foreign and Commonwealth Office.



Fabrizia Benini

Fabrizia Benini, a lawyer trained in Italy and in Belgium, joined the European Commission in 1995 initially in the Internal Market Department Directorate General focusing on the Citizenship of the Union and the Data Protection negotiations with the US. She subsequently moved to the Competition DG, working in antitrust and merger cases in the transport sector. In 2008 she became a Head of Unit, developing the Integrated Maritime Policy at the Maritime Affairs and

Fisheries DG. She subsequently joined the cabinet of Vice President Tajani responsible for Industry and Entrepreneurship where she focused on energy intensive industries and their interactions with the trade, competition and environment policies. Management of structural funds in the Mediterranean and Black Sea Member States was the focus of her next posting. She joined DG CNECT in April 2018 as head of unit for Digital Economy and Skills



Yves Punie

Yves Punie is senior scientist and Deputy Head of Unit at the European Commission Joint Research Centre in Seville, Unit Human Capital and Employment. He is leading its research and policy activities on “ICT for Learning and Skills”. The research area started in 2005 with the aim to provide evidence-based policy support to the European Commission on harnessing the potential of digital technologies to innovate education and training practices, improve access to lifelong learning and to deal with the rise of new (digital) skills and competences needed for employment, personal development and social inclusion. Recent work on capacity building for the digital transformation of education and learning, and for the changing requirements for skills and competences has focussed on the development of

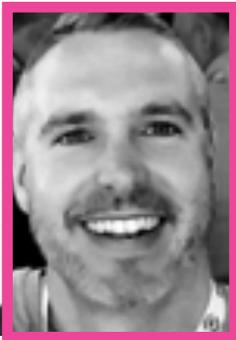
digital competence frameworks for citizens (DigComp), educators (DigCompEdu), educational organisations (DigCompOrg) and consumers (DigCompConsumers). A framework for opening-up Higher Education Institutions (OpenEdu) was also published in 2016, along with a competence framework for entrepreneurship (EntreComp). Some of these frameworks are accompanied by (self-) assessment instruments. Additional research has been undertaken on Learning Analytics, MOOCs (MOOCKnowledge, MOOCs4inclusion), Computational thinking (Computhink) and policies for the integration and innovative use of digital technologies in education (DigEduPol). Before joining the IPTS in 2001, he was interim Assistant Professor at the Free University of Brussels (VUB). He holds a Ph.D. in Social Sciences.



David Timis

David Timis is managing the most ambitious digital skills training program in Romania, Atelierul Digital (powered by Google). He is also an active member of the Global Shapers Community, a network of exceptional young leaders from around the world who are determined to make a positive contribution to

their communities, and to society as a whole. David was named “Young Leader of the Year” in Romania by Revista Cariere and included on the Forbes “30 Under 30” list, as a result of his continuous work to promote education, digital skills, and entrepreneurship among young people.



Doug Belshaw

Doug Belshaw spends his time helping people and organisations become more productive in their uses of technology. He is currently working with Moodle on a new innovation project and he is also a consultant and co-op founder. He has worked in every sector of education — in schools as a teacher and

senior leader, further education with City & Guilds, higher education with Jisc, and informal learning with the non-profit Mozilla Foundation. At the Mozilla Foundation, he led work around developing a Web Literacy Map with a global community of stakeholders.



Anja Balanskat

Anja Balanskat is senior advisor to European Schoolnet, a network of 30 ministries of education, with 18 years of professional experience in ICT education policy and research. She has managed various European projects including school pilots and policy experimentations (e.g. on the use of laptops and tablets, <http://creative.eun.org>) and Mentoring technology enhanced pedagogy (<http://mentep.eun.org>) and contributed to the large-scale European quantitative study: Survey of Schools: ICT in education (2013). Anja currently coordinates two of European Schoolnet's working groups on Digital Citizenship and the Interactive Classroom. Her main fields of expertise are innovative teaching practices with ICT, competence frameworks and computational thinking. She conducted several consultations with Ministries of Education to get a consistent

picture on the topic of computer programming and coding skills in school curricula across European countries. She has been acting as an adviser to the UNESCO (best practices in mobile learning, teacher competence frameworks) and the OECD (Millennium Learners, the future of education and skills learning framework 2030) and the European Commission's Joint Research Centre. From 2009-2010, Anja advised the European Strategic Management of Universities (ESMU) in the European Benchmarking initiative in Higher Education. Anja holds a Master Degree in Human Resources Development and European Studies from the College of Europe in Bruges, Belgium as well a Secondary Teacher Training Degree (German 1. Staatsexamen) from the Friedrich-Schiller-University of Jena, Germany.



CONNECT University Summer School Session

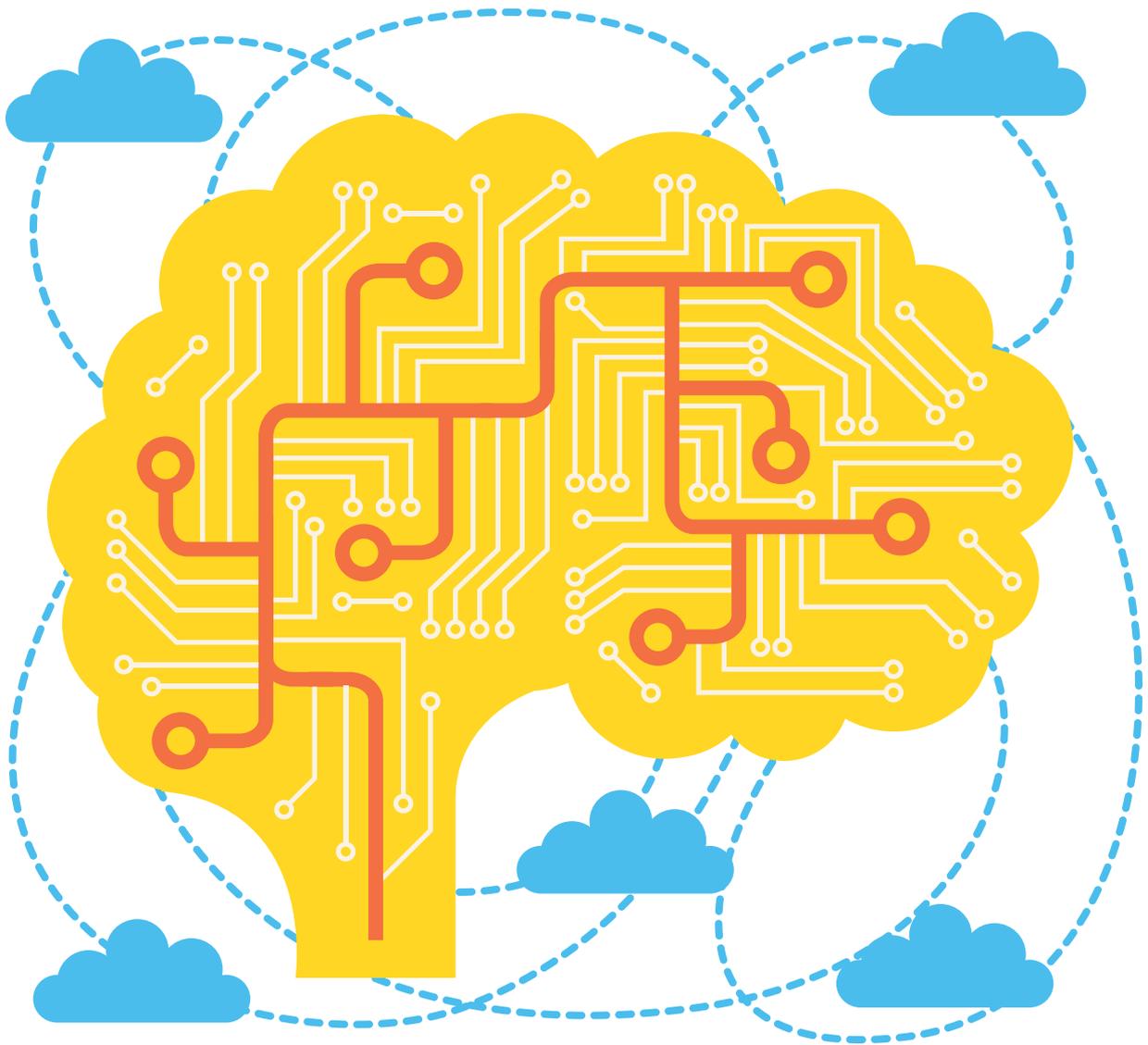
SG IT Summer Course

Data Analytics and AI use cases of corporate relevance

With Artificial intelligence and machine learning among the most significant technological developments in recent history, the present session will highlight concrete examples of Machine Learning, Text and Data Analytics applications, supporting various policy and operational needs within the European Commission.

Agenda of the day:

- 14:00-14:10 Opening by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University
- 14:10-15:50 Presentation & demos by Franco Accordino HoU DG CONNECT R3, Max de Wilde, Stephanie Weiser, DG CONNECT R3
- 15:10-16:00 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University





Franco Accordino

Franco Accordino is the Head of the “Knowledge Management and Innovative Systems” unit within the European Commission’s Directorate-General for Communications Networks, Content and Technology (DG CONNECT). The unit support business processes and foster service innovation by deploying state-of-the-art technologies and solutions for staff members and stakeholders.

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fields as Future and Emerging Technologies, Future Internet, High-Performance Computing, Grid and Cloud technologies, Trust and Security.

Before joining the European Commission, he worked at the ETHZ/CSCS National Supercomputing Centre of Switzerland and at the National Research Council of Italy where he conducted research on formal methods, languages and tools for complex systems specification.

He has a long-standing experience in several information technology fields, including formal methods and software engineering, grid and distributed systems, network centric operating systems, web-based platforms, machine learning and data analytics.



Max De Wilde

Max De Wilde holds a MA in computational linguistics from the Universiteit Antwerpen and a PhD in information and communication from the Université libre de Bruxelles. He has been working for DG CNECT (DORIS team) as a freelance consultant in text and data mining since 2016, and also teaches natural language processing and information technology to MA-level students in Brussels and Geneva.



Stéphanie Weiser

Stéphanie Weiser is a member of the DORIS Team in DG CNECT.R3 which goal is to provide data analytics services to support policy making. Specialist in Natural Language Processing with a PhD in Computational Linguistics, she coordinates the development of innovative tools and services.



CONNECT University Summer School Session

The Impact of AI & Automation on Learning

The CONNECT University Summer Session on “The Impact of AI & Automation on Learning “ will provide a high-level overview of current challenges in education, both in how and what we teach in terms of preparing children to flourish in the real world, and will discuss ways in which AI may help address these current issues. Considering the innate thirst for knowledge hardwired into the way the brain processes information, the session will underline ways of revolutionising learning through the use of AI.

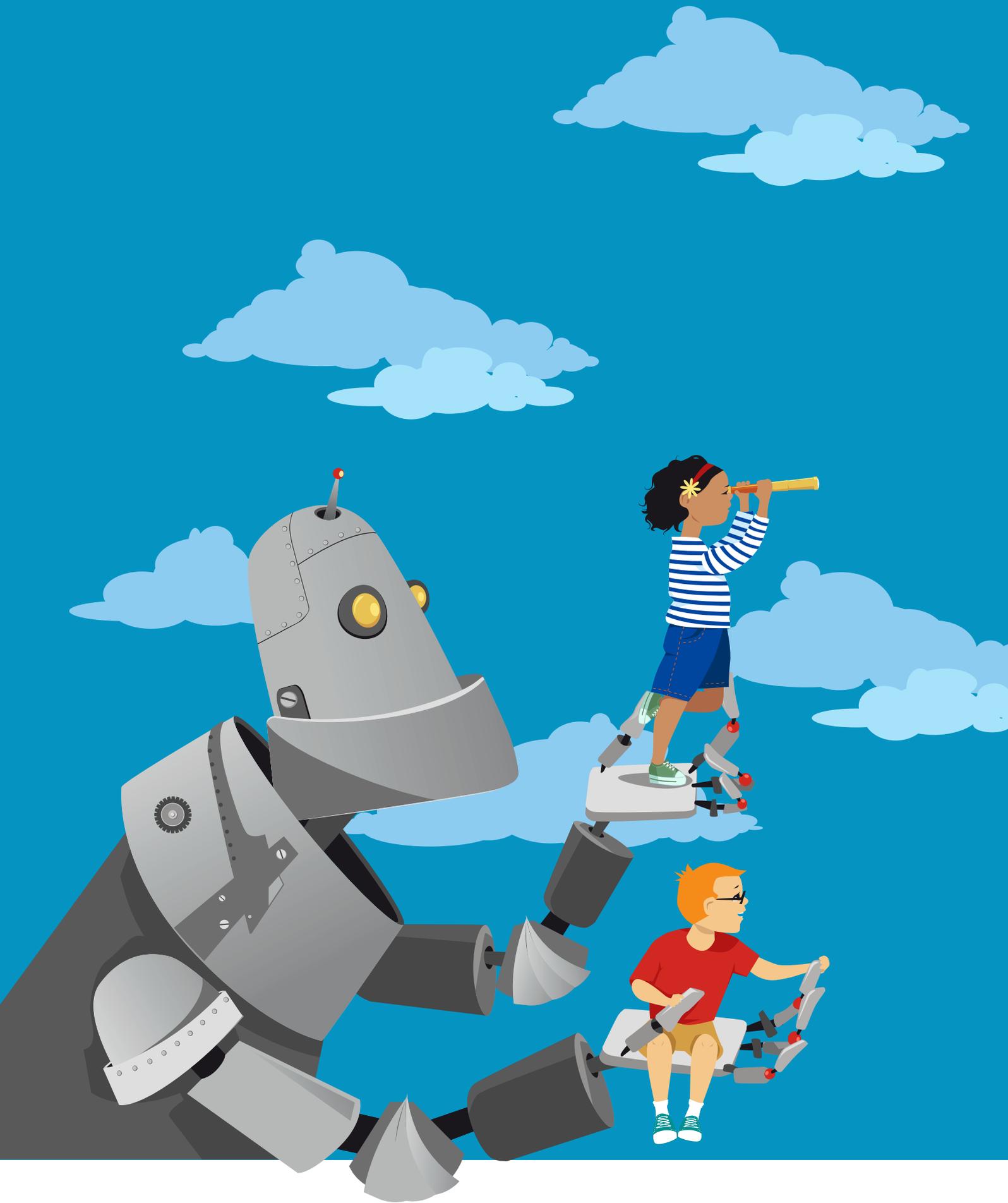
Agenda of the day:

10:00-10:10 Opening by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University

10:10-10:40 Presentation by Dr Scott Bolland, founder and CTO of New Dawn Technologies

10:40-11:30 Q/A

11:30-11:40 Conclusions by Florin Lupescu, Principal Advisor, DG CONNECT, Dean of the CONNECT University





Dr Scott Bolland

Dr Scott Bolland has spent the last 20 years in the field of Cognitive Science (the scientific study of how the mind works), focusing on human learning, problem-solving, creativity and motivation. To explicitly test his theories, a core component of his work has been the in creation of computer systems and robots that emulate human thinking and learning. He is now applying these skills as the founder and CTO of New Dawn Technologies, a high-tech start up devoted to improving education through artificial intelligence.

Scott believes that Artificial Intelligence will provide a powerful tool in helping teach the fundamentals in an effective, brain friendly and personalized manner, freeing up class time for more meaningful and enjoyable learning opportunities. Rather than replacing teachers, Scott believes that it is this synergy between technology and caring and supportive relationships that is the future of education and the key to unlocking human potential.



