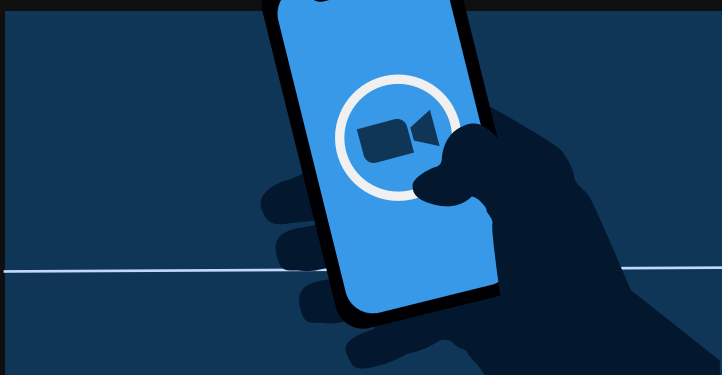


THE 35TH SEMI-ANNUAL DR. JANET LIOU-MARK



HONORS & UNDERGRADUATE

RESEARCH SCHOLARS POSTER PRESENTATION

WEDNESDAY, DECEMBER 1, 2021

VIRTUAL POSTER PRESENTATION
(POSTER JUDGING)

THURSDAY, DECEMBER 2, 2021

VIRTUAL POSTER PRESENTATION
(AWARD CEREMONY)

12:45-2:15PM

ORGANIZED BY CITY TECH'S HONORS SCHOLARS PROGRAM

GREETINGS

Russell K. Hotzler

President

Pamela Brown

Interim Provost & Interim Vice President
for Academic Affairs

Reginald A. Blake

Interim Associate Provost and
Dean of Curriculum and Research

RECOGNITION OF UNDERGRADUATE RESEARCHERS

Honors Scholars

Reneta D. Lansiquot
Director of the Honors Scholars Program

**CUNY Research Scholars & Louis Stokes Alliances
for Minority Participation (LSAMP)**

Hamidreza Norouzi
Director of Undergraduate Research

Emerging Scholars

Hamidreza Norouzi

Grant-Funded Projects

Hamidreza Norouzi

Interdisciplinary Projects

Reneta D. Lansiquot
Founding Chair of the Interdisciplinary Committee

BEST POSTER AWARDS

Amanda Almond

Assistant Director of the Honors Scholars Program

HONORS IN REGULAR COURSES

Messiness: Automating IoT Data Streaming Spatial Analysis

Christopher White
Prof. Atilio Barreda
[CST 3502: Data Mining](#)

Satellite Remote Sensing of Lake Surface Water Temperature

Deerick Seegars
Prof. Abdou Bah
[PHYS 1002ID: Introduction to Physics
of Natural Disasters](#)

Investigating Disease and Cures Throughout History in Relation to COVID

Ebony Cumbo Grant
Prof. Geoff Zylstra
[HIS 1110: US History to 1865](#)

French in Culinary & Pastry Arts

Elaine Suarez
Prof. Khalid Lachheb
[FREN 1101: Elementary French I](#)

Railroads, Education, and Community: The Cultural and Architectural Heritage of Feltonville, Philadelphia

Gamanya Metellus
Prof. Susan Phillip
[HMG 4987: Urban Tourism](#)

Calpain Genes in T.Tetrahymena

Jhana Hutchinson
Prof. Ralph Alcendor
[BIO 3303: Microbiology Lab](#)

Equilibrium Temperature Distributions

JianNing Luo
Prof. Ariane Masuda
[MAT 2580: Introduction to Linear Algebra](#)

Building Detail in BIM

Keren Lucero Arita
Prof. Charles Portelli
[ARCH 3531: Building Technology IV](#)

Disparities Amongst Native Hawaiian Population

Krystal Simon
Prof. Katherine Gregory
[HSA 3602: Health Service Mangement II](#)

Sea-Life Interacting with Architecture

Lenny Marin
Prof. Phillip Anzalone
[ARCH 4812: Architectural Design VIII:
Special Topics](#)

Infection Chain Reaction

Lynnsey O'Connor
Prof. Karen Parker Morriss
[HSCI 2201: Safety for Healthcare Professions](#)

Construction and use of a Simple Visual Light Spectrometer

Nicole Isaacs
Prof. Lazarus Deiner
[CHEM 3412: Instrumental Methods of Analysis](#)

Constructing Curves and Surfaces through Specified Points & Finding Orbits of Celestial Bodies

Olga Privman
Prof. Nadia Benakli
[MAT 2580: Introduction to Linear Algebra](#)

Measurement of Speed & Sound using Smartphones

Omotolani Adelekan
Prof. Boris Gelman
[PHYS 1441: General Physics I: Calculus Based](#)

Interesting and Practical Applications of Integral Calculus

Shannon Russell
Prof. Caner Koca
[MAT 1575: Calculus II](#)

Using Modern CAD Software to Design a Low-Cost Sled & Conduct Mechanical Stress Test

Sukhpaul Sehmbi
Prof. Daniel Swanson
[MECH 3550: Simulation & Visualization](#)

Exploring Attitudes of Bachelor Level Human Services Majors Towards Case Management Skills in Internship Practice

Sydney Tompkins
Prof. Charisse Marshall
[HUS 3503: Case Management](#)

Communication Basics for Explaining Genetics: A Resource Guide

Tayna Gebhardt
Prof. David Lee
[COM 2403ID: Health Communication Interdisciplinary](#)

Covid Kits for Patients in Emergency Rooms

Victoria Sing
Prof. Penka Marinova
[MAT 1272: Statistics](#)

The Pandemic and its Effects on Real Estate in New York

Wajihah Siddiqui
Prof. Richard Aronin
[BUS 2339: Financial Management](#)

CITY TECH ISLAND

The Honors Scholars Program constructed a two-story conference building in Second Life. This space is used to give our scholars the experience of going to a conference virtually.

This virtual experience is part of the Honors Scholars Program online modules that students must complete if they are doing an Honors in a regular course project.

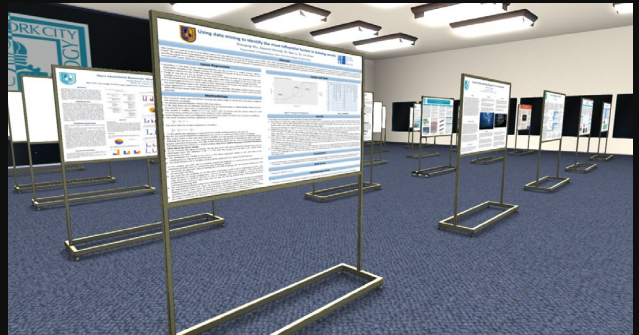
If you are interested in exploring our virtual conference building, please [click here](#) to use the guide.



Christopher Navarrete, Honors Scholars Program Coordinator, as his avatar in the virtual conference space he built.



Conference registration area.



Best Poster Award winners from spring 2020, fall 2020, and spring 2021.



Honors Scholars Program conference building on City Tech island in Second Life.

CUNY RESEARCH SCHOLARS & LSAMP

Mammography & Noise Statistics to Explore Effects of Environmental Metal Toxins on Biologically Active Model Carbohydrate Matrix

**Aaliyah Salmon
Prof. Subhendra Sarkar,
Evans Lespinasse, & Boris Gelman**

Development of Functional Composite Material for Lightning Resistance

**Aaryan Manoj Nair
Prof. Akm Rahman**

Comparative Analysis of 3D Printed Denture Resins with Traditional Denture Materials at the Micro Level

**Aneeza Hussain
Prof. Gaffar Gailani**

Calpains in Tetrahymena Thermophila

**Anjalee Rabbani
Prof. Ralph Alcendor**

Mammography & Noise Statistics to Explore Effects of Environmental Metal Toxins on Biologically Active Model Carbohydrate Matrix

**Aravis McBroom
Prof. Subhendra Sarkar & Evans Lespinasse**

Implication of Energy Loss due to Natural Airflow through Entrance Doors

**Carlanthony Lanton
Prof. Daeho Kang**

Search for Naturally Occurring Fe(II) vs Fe(III) Roles in Model Carbohydrate Matrix by Forcing Transmetallation in Mammography

**Daler Djuraev
Prof. Subhendra Sarkar**

You are Prepared: a Brower-Based Interactive Performance Using AI & ML

**Emma Bjornsen
Prof. Allison Berkoy**

The Ethics & Consequences of Cloning

**Gabriel Martinez
Prof. Jose Martinez**

Correlation of Race Pairs in NYC Police Complaints by Precinct

**Gasser Bagoga
Prof. Patrick J. Slattery**

Ultrafast High Power Lasers & Accelerator Systems

**Geetha Kannan
Prof. Viviana Vladutescu**

The History of Quadratic Equations

**Harouna Guisse
Prof. Nadia Benakli**

Force-Feedback Design for Robotics Hand

**Husnain Khan
Prof. Zhou Zhang**

Hormonal Influences & Vertigo in Menopause

**Iftekar Hossain
Prof. Aida Egues**

Cross-Platform CriptoCurrency Application

**Isiah Ruiz
Prof. Marcos Pinto**

Implication of Energy Loss due to Natural Airflow through Entrance Doors

**Istvan Zagyi
Prof. Daeho Kang**

Mammography & Noise Statistics to Explore Effects of Environmental Metal Toxins on Biologically Active Model Carbohydrate Matrix

Joanna Syska
Profs. Subhendra Sarkar,
Evans Lespinasse, & Boris Gelman

PEGDA Degredation Rate Studies

Kenan Jusinov
Prof. Ozlem Yasar

Tissue Scaffold Fabrication with Digital Micro-Mirrors

Kina Wu
Prof. Ozlem Yasar

Search for Naturally Occurring Fe(II) vs Fe(III) Roles in Model Carbohydrate Matrix by Forcing Transmetallation in Mammography

Maria Orellana
Profs. Subhendra Sarkar, Zoya Vinokur,
& Lazar Fleysler

Covid-19 Impact on Radiology Students' Distance Learning

Navdeep Kaur
Prof. Zoya Vinokur

Applications of Computer Hardware & Software in Biotechnology

Noor Shamanta Jahan
Prof. Farrukh Zia

An Analysis of Different Levels of X-Ray Collimation Large Vs. Small Objects

Ollana John
Prof. Eric Lobel

Using Satellite Remote Sensing & Ground Observations to Study Urban Climate

Omotolani Adelekan
Prof. Abdou Bah

Covid-19 Impact on Radiology Students' Distance Learning

Ralph Lauren Ocampo
Prof. Zoya Vinokur

Covid-19 Impact on Radiology Students' Distance Learning

Rohini Mattan
Prof. Zoya Vinokur

The Ethics & Consequences of Cloning

Ryan Donnelly
Prof. Jose Martinez

Covid-19 Impact on Radiology Students' Distance Learning

Safraz Harun
Prof. Zoya Vinokur

Implication of Energy Loss due to Natural Airflow through Entrance Doors

Satesh Mahabir
Prof. Daeho Kang

Search for Naturally Occurring Fe(II) vs Fe(III) Roles in Model Carbohydrate Matrix by Forcing Transmetallation in Mammography

Sonia Orellana
Profs. Subhendra Sarkar & Zoya Vinokur

Implication of Energy Loss due to Natural Airflow through Entrance Doors

Syed Ali
Prof. Daeho Kang

Los Pirineos, the Mostly True Memoirs of Esperancita Gómez

Wilna Michel
Prof. Sara Woolley

EMERGING SCHOLARS

Viability in Automated Space construction using Geopolymer

**Julio Martinez
Prof. Akm Rahman**

Development of Functional Composite Material for Lightning Resistance

**Ngozi Okonkwo
Prof. Akm Rahman**

Viability in Automated Space construction using Geopolymer

**Terrance Bisnauth
Prof. Akm Rahman**

Space Construction using Materials Available on the Space

**Saim Wasim
Prof. Akm Rahman**

Lookism: An Examination of Inequality in Diversity Practices

**Hynndie Ozirus
Prof. Alyssa Adomaitis**

Investigating Project Success Factors in Post-Disaster Rebuilding Efforts in NYC

**Aalaa Mohammed
Prof. Anne Marie Sowder**

Investigating Project Success Factors in Post-Disaster Rebuilding Efforts in NYC

**Calvin Walters Jr.
Prof. Anne Marie Sowder**

Investing Project Success Factors in Post-Disasters Rebuilding Efforts in NYC

**Jude Vallon
Prof. Anne Marie Sowder**

The Impacts of COVID 19. Economics Impacts

**Ceming Zeng
Prof. Annie Ngana Mundeke**

Using Random Walks to Determine the Equilibrium Temperature

**Jianning Luo
Prof. Ariane Masuda**

An Analysis of Comparison-Based Sorting Algorithms

**Jacob Gomez
Prof. Brad Isaacson**

An Analysis of Comparison-Based Sorting Algorithms

**Edgar Aponte
Prof. Brad Isaacson**

Implication of Energy Loss due to Natural Airflow through Entrance Door

**Cathal O'Toole
Prof. Daeho Kang**

Implication of Energy Loss due to Natural Airflow through Entrance Doors

**Matthew Quinones
Prof. Daeho Kang**

Implication of Energy Loss due to Natural Airflow Through Entrance Doors

Sherene Moore
Prof. Daeho Kang

Implication of Energy Loss due to Natural Airflow through Entrance Doors

Adama Barro
Prof. Daeho Kang

Developing an App with Social Media Performance Capabilities

Alexon Abreu Ramirez
Prof. Daniel Wong

Developing an App with Social Media Performance Capabilities

Ali Abbas
Prof. Daniel Wong

Developing an App with Social Media Performance Capabilities

Bilal Badar
Prof. Daniel Wong

The Value of Health Coaching

Chimaobim Uzoaru
Prof. David Lee

Direction for Protection: Multimedia Vaccine Messaging to Address Racial Disparities

Florence F. Litchmore-Smith
Prof. David Lee

Comparison of Software Editing Platforms & their Effectiveness on Teaching Software Concepts

Sabina Uddin
Prof. Douglas Moody

Implementing A Framework to Designing an Online SurveyTool

Gilbert Page
Prof. Elizabeth Milonas

The Ethical Implications of Corporate Usage of Consumer-Information & Impact on Database Management

Maribel Matos
Prof. Elizabeth Milonas

ARCScholars

Scarlett Morales
Prof. Esteban J. Solano

Smart Building Entrance System - Software Implementation

Caroline Rodriguez
Prof. Farrukh Zia

Computer Controlled System Design

Divya Kaushal
Prof. Farrukh Zia

Machine Learning Based Image Processing of Astrophotography Images

Mazen Maghazy
Prof. Farrukh Zia

Smart Building Entrance System - Data Communication Implementation

Lipi Haq
Prof. Farrukh Zia

Hardware & Software Co-design of Assistive Technology

Modhumita Dey
Prof. Farrukh Zia

**Smart Building Entrance System -
Hardware Implementation**

**Umaira Shah
Prof. Farrukh Zia**

**Comparative Analysis of 3D Printed Denture
Resins with Traditional Denture Materials at
the Micro Level**

**Caleb Beckwith
Prof. Gaffar Gailani**

Smart Physics

**Jake Postiglione
Prof. Giovanni Ossola**

Green Roof Media Parametric Study

**Samantha Madariaga
Prof. Ivan L. Guzman**

**Nanomaterials as Promising Photocatalysts for
Degradation of Organic or Inorganic Pollutants in
Wastewater**

**Anthony Juarez
Prof. Ivana Jovanovic**

**Nanomaterials as Promising Photocatalysts for
Degradation of Organic or Inorganic Pollutants in
Wastewater**

**Hafsa Noor
Prof. Ivana Jovanovic**

**Nanomaterials as Promising Photocatalysts for
Degradation of Organic or Inorganic Pollutants in
Wastewater**

**Melissa Menifield
Prof. Ivana Jovanovic**

CIL Emulator

**DeAndre Badresingh
Prof. Jean Boulet**

CIL Emulator

**Roshel Babayev
Prof. Jean Boulet**

**Sub-Saharan Africa Healthcare Access: Patients
Are to Pay Upfronts for Surgical Procedures**

**Olorundamilola Okemeta
Prof. Jeremy Seto**

Analyze & Examine Wildfire Events in California

**Alena Hoodith
Prof. Jiehao Huang**

Analyze & Examne Wildfire Events in California

**Sakin Zaman
Prof. Jiehao Huang**

Analyze & Examne Wildfire Events in California

**Safoan Hossain
Prof. Jiehao Huang**

**Hyper Environmental Criteria for High
Performance Building Facades**

**Oliver Hadi
Prof. Jihun Kim**

**Hyper Environmental Criteria for High
Performance Building Facades**

**Tasfia Amir
Prof. Jihun Kim**

Hyper Environmental Criteria for High Performance Building Facades

Tiffany Zhang
Prof. Jihun Kiim

Association Between Oral Cancer & Diet

Irina Urmi
Prof. Laina Karthikeyan

Association Between Oral Cancer & Diet

Michelle Klig
Prof. Laina Karthikeyan

Association Between Oral Cancer & Diet

Tashi Choedon
Prof. Laina Karthikeyan

Digital Identities & Computer-Mediated Communication

Yuehan Guo
Prof. Laureen Park

Advantages of AMP (Accelerated Mobile Pages)

Saira Nazar
Prof. Marcos Pinto

Effective Communication Between Health Care Professionals & Deaf/Hard-of-hearing Clients

Catherine MalloI-Nunez
Prof. Merlyn Dorsainvil

Bifurcating Brooklyn: The Connection to the Verrazano Bridge

Farai Matangira
Prof. Michael Duddy

CO2 Emissions in the World by the Countries

Rachica Jean Baptiste
Prof. Mukkadder Cinar

CO2 Emissions in the World by the Countries

Omer Ahmed
Prof. Mukkader Cinar

CO2 Emissions in the World by the Countries

Isha Choudhary
Prof. Mukkader Cinar

ARCscholars

Alfred Dove
Prof. Naomi Langer-Voss

ARCscholars

Farai Matangira
Prof. Naomi Langer-Voss

ARCscholars

Oliver Hadi
Prof. Naomi Langer-Voss

ARCscholars

Scott Brathwaite
Prof. Naomi Langer-Voss

Reconstructing Digital Twins of Existing Infrastructures

Kenneth Wu
Prof. Navid Allahverdi

Study of Electron Properties of Low-Dimensional Materials

Prof. Fergus Kouakou
Prof. Oleg Berman

Covid-19 Infection Impact on Organ Systems & Approaches to Treating & Managing the Impact

**Keiuno Dawkins
Prof. Olufemi Sodeinde**

Mechanical Characterization of Nano-Material Doped Polydimethylsiloxane (PDMS)

**YeHun Jeong
Prof. Ozlem Yasar**

Code Cyber: "A Curated Collection of Cybersecurity Career Learning & Preparation Resources"

**Ethan Pruzhansky
Prof. Patrick Slattery**

Code Cyber: "A Curated Collection of Cybersecurity Career Learning & Preparation Resources"

**Kazi Tasin
Prof. Patrick Slattery**

Code Cyber: "A Curated Collection of Cybersecurity Career Learning & Preparation Resources"

**Mohammed Zaman
Prof. Patrick Slattery**

Challenges, Potential Recommendations, & Impacts of Driving Continuous Improvements Through the Technology Supply Chain* -- Software Development Considerations

**Rashon Mixson
Prof. Patrick Slattery**

Code Cyber: "A Curated Collection of Cybersecurity Career Learning & Preparation Resources"

**Jason Lin
Prof. Patrick Slattery**

Challenges, Potential Recommendations, & Impacts of Driving Continuous Improvements Through the Technology Supply Chain* -- Software Development Considerations

**Jerome White
Prof. Patrick Slattery**

Lessons Learned Regarding Data Loss During Natural Disasters

**Svetlana Idrovo Shindler
Prof. Patrick Slattery**

Sea-life Interacting with Architecture

**Lenny Marin
Prof. Phillip Anzalone**

CO2 Emissions in the World by the Countries

**Omer Ahmed
Prof. Mukkader Cinar**

CO2 Emissions in the World by the Countries

**Isha Choudhary
Prof. Mukkader Cinar**

Computational Characterization of Calpains in T. Thermophila

**Tayna Gebhardt
Prof. Ralph Alcendor**

Computational Characterization of Calpains in T. Thermophila

**Barakat Adigun
Prof. Ralph Alcendor**

Computational Characterization of Calpains in T. Thermophila

**Derbie Desir
Prof. Ralph Alcendor**

Computational Characterization of Calpains in T. Thermophila

Samian Ahmed
Prof. Ralph Alcendor

Computational Characterization of Calpains in T. Thermophila

Samantha Lee
Prof. Ralph Alcendor

Bernoulli Numbers & Bernoulli Polynomials

Jose Armando Sanchez Diaz
Prof. Satyanand Singh

How is the Disposal of Electronic Waste Contributing to Pollution in Landfills?

Manjil Itani
Prof. Sean MacDonald

Inflammation, Fracture & Bone Repair: A Meta Analysis

Guito Charles
Prof. Subhendra Sarkar

Understanding MR Signal & Noise at Low & High Fields for Weak & Strongly Paramagnetic Substances

Bleidis Buitrago
Prof. Subhendra Sarkar

Understanding MR Signal & Noise at Low & High Fields for Weak & Strongly Paramagnetic Substances

Luz Alexandra Solano
Prof. Subhendra Sarkar

Inflammation, Fracture & Bone Repair: A Meta Analysis

Maleeha Sheikh
Prof. Subhendra Sarkar

Understanding MR Signal & Noise at Low & High Fields for Weak & Strongly Paramagnetic Substances

Jian Wang
Prof. Subhendra & Duke Sarkar, & Shereen

Diagnostic Potentials of MRI & PET in Alzheimer's Disease: A Meta Analysis

Jennifer Padilla
Prof. Subhendra & Duke Sarkar, & Shereen

Understanding MR Signal & Noise at Low & High Fields for Weak & Strongly Paramagnetic Substances

Analia Basilicata
Prof. Subhendra & Lazar Sarkar, & Flesher

How Has Covid-19 Impacted Dental Hygienists & Other Dental Professionals?

Dosyleny Arias
Prof. Susan Davide

How Has Covid-19 Impacted Dental Hygienists & Other Dental Professionals?

Nathaly Rojas
Prof. Susan Davide

Neutron Activation Analysis of Heavy Elements in the Environment

Le Van La
Prof. Vishwas Joshi

IoT Car Seat Alarm System

Touheda Khanom
Prof. Xiaohai Li

GRANT-FUNDED PROJECTS

NSF IUSE GEO Grant # 2023174

Profs. Abdou Bah, Reginald Blake,
Masato Nakamura, Hamidreza Norouzi,
and Ms. Julia Rivera

Downscaling Methodology for Satellite Land Surface Temperatures Over Urban Environments

Naved Khan
Prof. Abdou Bah, Reginald Blake,
and Hamidreza Norouzi

STUDYING GLOBAL LAKES SURFACE TEMPERATURE VARIABILITIES USING SATELLITE AND IN SITU OBSERVATIONS

Olga Privman
Prof. Abdou Bah, Reginald Blake,
and Hamidreza Norouzi

Green Hybrid Renewable Energy Systems

Sherene Moore
Jude Vallon
Prof. Masato Nakamura

NSF REU Grant # 1950629

Profs. Reginald Blake, Hamidreza Norouzi,
and Ms. Julia Rivera

Analyzing Anthropogenic and Climatic Trends on Regional Farms

Fambougouri Diane
Mentor: Caroline Schwab
Prof. Tarendra Lakhankar

Analysis of Gas Outage Data and Gentrification Patterns to Explain Unreported Gas Leaks in NYC Utilizing Data Science and Geographic Information System (GIS) Tools

Jltay Rubin
Mentor: Md. Rahman
Prof. Ronak Etemadpour

Analyzing Anthropogenic and Climatic Trends on Regional Farms

MD Karim
Mentor: Caroline Schwab
Profs. Tarendra Lakhankar

Downscaling Methodology for Satellite Land Surface Temperatures Over Urban Environments

Nadia Sultana
Profs. Abdou Bah, Reginald Blake,
and Hamidreza Norouzi

Downscaling Methodology for Satellite Land Surface Temperatures Over Urban Environments

Oneil Mahoney
Profs. . Abdou Bah, Reginald Blake,
and Hamidreza Norouzi

Temporal Analyses of Drought in the Northeast: Case Studies for New Jersey and Delaware

Rabeca Mohammed
Mentor: Leulaye Maskal
Prof. Nir Y Krakauer

Downscaling Methodology for Satellite Land Surface Temperatures Over Urban Environments

Serigne Mbaye
Profs. Abdou Bah, Reginald Blake,
and Hamidreza Norouzi

Riverine Inputs to Long Island Sound: Variability and Effects on Water Quality

Syeda Mehjabin
Mentor: Alana Menendez
Prof. Maria Tzortziou

“Monitoring and Forecasting Solar Radiation in Puerto Rico”

Willmar Guzman Ulloa
Prof. Nir Krakauer

INTERDISCIPLINARY PROJECTS

COM 2403ID: Health Communication Interdisciplinary

Prof. David Lee

Communication Basics for Explaining Genetics: A Resource Guide

Tayna Gebhardt

PHYS1002ID: An Introduction to the Physics of Natural Disasters

Prof. Abdou Bah

Breakdown of an Earthquake and Tsunami Disaster Happened in Tohoku

Yuehan Guo, Alexis Sanchez, Alex Mei,
Jia Ling Lin Huang, Manuel Brito, Mahadi Sakib,
& Hilal Din

Climate Change Takes Over NYC in The Winter

Dennis Guzman, Mamadou Balde, Angel Herrera,
Sadman Hafriz, Sharin Chowdhury,
& Anand Munkhjargal

Hurricane and Flooding Disasters

Tahir Khan, Lina Zheng, Ashish Tamang,
Andres Arguinzones, Hong Zhu, & Emil Faizullin

A Hurricane's Impact on NYC's 5 Boroughs

Derrick Seegars, Brian Gomes, Ethan Brown,
Judie Yopez, Jan Adamez, & Kevin Espana

HMG 4987: Urban Tourism

Prof. Susan Phillip

From The Late 1800's to 2021, Over 100 years of Building a Diverse Community With Style

Gamanya Metellus

ECON 2505ID: Environmental Economics Interdisciplinary

Prof. Sean McDonald

How is the Disposal of Electronic Waste Contributing to Pollution in Landfills?

Manjil Itani

Comparative Analysis of 3D Printed Denture Resins with Traditional Denture

Aneeza Hussian & Caleb Beckwith
Prof. Gaffar Gailani

Diagnostic Potentials of MRI and PET in Alzheimer's Disease: A Meta Analysis

Jennifer Padilla
Profs. Subhendra Sarkar & Duke Shereen

Understanding MR Signal and Noise at Low and High Fields for Weak and Strongly Paramagnetic Substances

Analia Basilicata, Alexandra Solano,
Jian Wang, & Bleidis Buitrago
Profs. Subhendra Sarkar, Lazar Fleysler,
& Duke Shereen

Honors Scholars Program GRADUATE SCHOOL FAIR



Join us virtually via Zoom and in Second Life

Over 100 programs from more than two dozen graduate schools will be represented!

Zoom Info Session
December 1, 2021, 9:30AM-1PM



Second Life Meetup
December 1, 2021, 2-3PM

Organized by Dr. Reneta D. Lansiquot, Mr. Christopher A. Navarrete, and Prof. Tamrah D. Cunningham.

Honors Scholars Program

STUDENT ACADEMIC CONFERENCE

Leading for Justice with Radical Care

The Honors Scholars Student Academic Conference keynote address will highlight a need for change in educational leadership. Dr. Rosa Rivera-McCutchen's perspective is one of experience and scholarship. Coined as "radical care", she will detail why care alone is not adequate to achieve justice for educational disparities. Radical care embodies notions of hope, power, and relationships to dismantle structural inequalities.

This keynote will be followed by several student panels.



Keynote Address: Dr. Rosa L. Rivera-McCutchen

Dr. Rosa L. Rivera-McCutchen is an Associate Professor of Leadership Studies at CUNY Lehman College, a Hispanic Serving Institution in the Bronx, where she also serves as the coordinator of School and District Leader certification programs. Dr. Rivera-McCutchen is also an affiliated faculty member in the Urban Education PhD Program at CUNY Graduate Center, and a faculty affiliate at the NYU Metropolitan Center for Research on Equity and the Transformation of Schools.

An educator for over twenty years, she began her career as a high school teacher and advisor at Wings Academy, in the Bronx, before earning her doctorate in Teaching and Learning at New York University. Prior to joining the Lehman faculty, she was an instructor in the Scaffolded Apprenticeship Model program, an educational leadership and comprehensive school improvement initiative at CUNY Baruch College. She has worked as an educational consultant, supporting professional development across NYC schools and conducting program evaluations.

Thursday, December 2, 2021

Keynote: 9:00AM - 10:00AM, via Zoom

Student Panels: 10:00AM - 12:00PM, via Zoom

Honors Scholars Program

STUDENT ACADEMIC CONFERENCE

Leading for Justice with Radical Care

Panel 1: Innovations for a Better Tomorrow

DREAMER Magazine

Alex Martinez, *Communication Design Major* (Mentor: Prof. Beth Tondreau)

Next Generation Culinary Collective

Lindsey Atichson, *Hospitality Management Major* (Mentor: Prof. Martha Dallis)

Kubernetes Distribution (kOs, Micro-K8s) Theoretical and Practical CNI & SDN Attack Vectors

Ariel Torres, *Computer Systems Major* (Mentor: Prof. Raja Ahmed)

Panel 2: Arts, Culture, & Design

Black and White Street Photography in NYC

Czarina Hintay, *Hospitality Management Major* (Mentor: Prof. Kirsten Gill)

Flappers and Supermodels: Influence of 1920's Fashion in the 1990's

Ginelle Sinclair, *Business and Technology of Fashion Major* (Mentor: Prof. Ines Corujo Martin)

Sebastião Salgado Reimagined

Nina Pateishvili, *Communication Design Major* (Mentor: Prof. Teti Matthew)

Drawing a Real Life House in AutoCad

Arham Hussain, *Construction Engineering Technology Major* (Mentor: Prof. Loyra Nunez)

Panel 3: Improving Student Experiences at City Tech

Developing Original Materials for a Massive Open Online Course, Machine Learning for Physics and Astronomy

Olga Privman, *Professional and Technical Writing Major* (Mentor: Prof. Viviana Acquaviva)

Jake Postiglione, *Applied Computational Physics Major* (Mentor: Prof. Viviana Acquaviva)

First Semester Nursing Skills

Grazziane Morbidelle, *Nursing Major* (Mentor: Prof. Michelle Guellar)

Through a Student's Lens: A Guide for Prospective Dental Hygiene Students

Ifaa Raizer-Amit, *Dental Hygiene Major* (Mentor: Prof. Anna Matthews)

**THE 35TH SEMI-ANNUAL
DR. JANET LIOU-MARK HONORS AND UNDERGRADUATE
RESEARCH SCHOLARS POSTER PRESENTATION**

To all the dedicated professors for mentoring students. A heartfelt thank you for making this event a successful one.

SPECIAL THANKS TO

**Ms. Iman Abdulfattah
Ms. Lauri Aguirre
Mr. Abdou Bah
Prof. Tamrah D. Cunningham
Mr. Christopher Navarrete**

A SPECIAL THANK YOU TO THE DEDICATED POSTER JUDGES:

Ralph Alcendor	Kwame Osei-Sarfo
Nadia Benakli	David Lee
Monica Berger	Sean P. MacDonald
Josh Borja	Bridget Maley
Stephanie Boyle	Alberto Martinez
Susan Burckett Brandt	Ariane Masuda
Gwen Cohen Brown	Elizabeth Milonas
Yu-Wen Chen	Annie Ngana Mundeke
Julian Costa	Camille Phaire-Morton
Tamrah D. Cunningham	Marcos Pinto
Susan Davide	Nandi Prince
Ossama Elhadary	Akm Rahman
Li Geng	Brittany Richards
Katherine Gregory	Noemi Rodriguez
Ezra Halleck	Satyanand Singh
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