



VR-REU SYMPOSIUM

Date: July 29, 2022

Location: Hunter College 309W (Glass Café) or Zoom (Registration is required for in-person or Zoom)

Registration: <https://us02web.zoom.us/meeting/register/tZUqcuutr4iHdVdjcaHuYl6Hkd-KiJHOcuo>

Session 1: Opening

9:00 am – Oyewole Oyekoya, Associate Professor, Computer Science, Hunter College, CUNY
Welcome

9:10 am – Joseph James, PhD Student, Virginia Polytechnic and State University
My PhD Journey: How I got where I am today

9:30 am – Tea/Coffee Break, Demo Session

Session 2: Virtual, Augmented and Mixed Reality

9:40 am – Aisha Frampton-Clerk, CUNY Queensborough Community College
Immersive Remote Telepresence and Self-Avatar Project
Research Mentor: Oyewole Oyekoya, Associate Professor, Computer Science, Hunter College, CUNY

10:05 am – Amelia Roth, Gustavus Adolphus College
The Community Game Development Toolkit – Developing accessible tools for students and artists to tell their story using creative game design
Research Mentor: Daniel Lichtman, Adjunct Professor, Department of Fine and Performing Arts, Baruch College, CUNY

10:30 am – Nairobi Pena, Cornell University
VR as a learning tool for students with disabilities
Research Mentor: Daniel Chan, Hunter College, CUNY

10:55 am – Diego Rivera, Iona College
Jump into Blackbox through Virtual Reality: Visualization of State of the Arts Deep Learning Model Architecture – Transformers
Research Mentor: Lei Xie, Professor, Computer Science, Hunter College, CUNY
Graduate student mentor: Tian Cai

11:20 am – Zhenchao Xia, Stony Brook University
Explore Virtual Environments Using a Mobile Mixed Reality Cane Without Visual Feedback
Research Mentor: Hao Tang, Associate Professor and Deputy Chair, Computer Information Systems, Borough of Manhattan Community College, CUNY

11:45 am – Tea/Coffee Break, Demo Session

Session 3: ACM SIGGRAPH Birds of Feather (In-person only, co-located with ACM SIGGRAPH)

12:00 pm – Oyewole Oyekoya, Associate Professor, Hunter College, CUNY
Broadening Participation in STEM using Virtual, Augmented and Mixed Reality: Students' Perspectives

1:00 pm – Lunch Break (provided), Demo Session

Session 4: Immersive Data and Scientific Visualization

1:50 pm – Talia Attar, Cornell University

Using Virtual Reality Food Environments to Study Food Behavior

Research Mentor: Margrethe Horlyck-Romanovsky, DrPH., Assistant Professor, Department of Health and Nutrition Sciences, Brooklyn College, CUNY

2:15 pm – Deborah Rudin, University of Minnesota Twin Cities

Sonifying the Microbiome: 365 days in 360°

Research Mentor: Andrew Demirjian, Assistant Professor, Department of Film and Media Studies, Hunter College

2:40 pm – Mustapha Bouchaqour, CUNY New York City College of Technology

Arab Data Bodies: Social Media in Mixed Reality

Research Mentors: Laila Shereen Sakr, Assistant Professor, Department of Film and Media Studies, University of California, Santa Barbara

3:05 pm – Ari Riggins, Princeton University

Data Visualization, Virtual Reality and Structural Racism project

Research Mentor: Courtney Cogburn, Associate Professor, School of Social Work, Columbia University

3:30 pm – Olubusayo Oluwagbamila, Rutgers University New Brunswick

MicroRNA-1205 as a regulator of cell lineage plasticity

Research Mentor: Olorunseun Ogunwobi, Director, Hunter College Center for Cancer Health Disparities Research (CCHDR), Associate Professor of Biological Sciences, Hunter College, CUNY

Session 5: Closing

3:55 pm – Closing Remarks, Wole Oyekoya

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This REU Site is sponsored by NSF Grant No. 2050532