



April 7, 2025

Hosted by
Carnegie Mellon University
Office of Graduate and Postdoctoral Affairs



Poster Presentations

Rangos 2 & 3 / 12:00 - 4:00 p.m.

Snacks & Refreshments are available in Rangos 2 & 3--grab a snack and engage with the posters and presenters!

Stacey Akines (Dietrich College, Doctoral)
Fostering Black Power Through Home Education, 1930 - 1988

Elizabeth Dieterich (Dietrich College, Doctoral)
Encountering Early Modern Race Onstage

Luis Garcia (College of Fine Arts, Doctoral)
Designing from Handiness: Moving through Contradictions when Designing for Transitions

Sunipa Goswami (Mellon College of Science, Doctoral)
Bioinspired Copper-Directed C-H Hydroxylation

Jionghao Han (College of Engineering, Master's)
Cross-Domain Cartoon Singing Voice Synthesis

Mengdi He (College of Engineering, Doctoral)
Flexible Bioelectronics to Understand and Advance Electrophysiologic Maturation of Engineered Heart Tissues

Manav Kapadnis (School of Computer Science, Master's)
Evaluating the Effectiveness of Large Language Models in Establishing Conversational Grounding

Abhrojyoti Mazumder (Mellon College of Science, Doctoral)
Spectrally Stable Room Temperature Single Photon Emission from Au₂₄(TBBM)₂₀ Nanoclusters

Myles Sampson (College of Fine Arts, Doctoral)
Constructing Architectural Robotic Pedagogy

Samskrathi Sharma (Mellon College of Science, Doctoral)
From Concept to Canvas: Painting an Accessible Scientific Picture

Andrew Timmins (College of Engineering, Doctoral)
Leveraging Machine Learned Interatomic Potentials to Predict Synthesis Routes for Functional Materials

Talks & Performances

Rangos 1 / 12:30 - 3:45 p.m.

12:30: Alex Irwin (College of Fine Arts, Master's)
Art Songs from One Man to Another: Promoting Queer Expression in the Ongoing Classical Tradition

12:45: Bashu Aman (College of Engineering, Doctoral)
Using Microwave Irradiations to Reduce CO₂ Emissions from Alumina Ceramic Sintering Process

1:00: Conrad Borchers (School of Computer Science, Doctoral)
Designing Tools for Caregiver Involvement in Intelligent Tutoring Systems

1:15: Yi Luo (College of Fine Arts, Master's)
Can AI Nurture Design Taste? Exploring AI as a Thought Partner for Young Designers

1:30: Joseph Garcia (Dietrich College, Doctoral)
Beliefs and Ideologies L2 Multidialectal Learners Bring to Study Abroad in Morocco

1:45: Leenia Mukhopadhyay (Mellon College of Science, Doctoral)
Bioaccumulation and Bioavailability of PFASs in Marine Environments

2:00: Michael Juan (College of Fine Arts, Master's)
Designing and Manufacturing a Low-Cost Piezo Nano-Positioner

2:15: Wenzhuo Xu (Dietrich College, Doctoral)
Why Exclude Test Scores from Admissions Criteria?

2:30: Shanda Li (School of Computer Science, Doctoral)
CodePDE: Benchmarking LLMs' Abilities to Solve PDEs through Code Generation

2:45: William Martin (College of Fine Arts, Doctoral)
From Social Capital to Soulful Streets: Applied Network Science for Connecting People Through Place in U.S. Neighborhoods

3:00: Sunny Surprenant (College of Engineering, Doctoral)
Dynamic Covalent Chemistry for Processable Protein-Based Thermoset Elastomers

3:15: Pragati Maheshwary (School of Computer Science, Master's)
Investigating the Role of Metaphors in Human-AI Conversation and Engagement

3:30: Ren Butler (School of Computer Science, Doctoral)
Does the Doer Effect Exist Beyond WEIRD Populations? Toward Analytics in Radio and Phone-Based Learning