

# Joint Graduate Certificate Colloquium: Data and Computation

Friday, April 24, 1:00 PM - 5:00 PM

The Commons Visualization Lab, D119 Commons, Ivy Lane

1:00-1:10 pm

**Welcome Remarks**

Professors Michael E. Mueller, Graduate Certificate Program Director, PICSciE, Jonathan Cohen, Graduate Certificate Program Director, CSML and Meredith Martin, Faculty Director, CDH

1:10-1:30 pm

**Jun Eshima**, *Mechanical & Aerospace Engineering (Advisors: Luc Deike and Howard Stone)*

**“The influence of surfactants on air-liquid-air sheets and bubble bursting”**

1:30-1:50 pm

**Qinlan Yang**, *Atmospheric & Oceanic Sciences (Advisor: Stephan Fueglistaler)*

**“Statistical view on anomalous temperature-radiation relation due to ENSO”**

1:50-2:10 pm

**Baris Eser Ugur**, *Chemical and Biological Engineering (Advisor: Michael Webb)*

**“Nuclear quantum effects in molecular liquids across chemical space”**

2:10-2:30 pm

**Laura Nelson**, *History (Advisor: Laura Edwards)*

**“Unseen fragments, seen lives: From data to biography in digital public history”**

2:30-2:50 pm

**Conghao (Kevin) Yi**, *Civil and Environmental Engineering (Advisor: Catherine A. Peters)*

**“LABQ3:Bayesian method for quantifying chemical compositions in nano-CT images”**

2:50-3:10 pm

**Coffee Break & Group Photo**

3:10-3:30 pm

**Sebastián Michel-Mata**, *Ecology and Evolutionary Biology (Advisor: Corina Tarnita)*

**“The evolution of social heuristics”**

3:30-3:50 pm

**Supantho Rakshit**, *Electrical and Computer Engineering (Advisor: Adele Goldberg)*

**“Multilingual generalization in LLMs relies on language-level similarity structures”**

3:50-4:10 pm

**April Gilbert**, *Comparative Literature (Advisor: Claudia J. Brodsky)*

**“Narrating narrative’s lifespan: Exploring data from the conference programs of the International Society for the Study of Narrative (ISSN)”**

4:10-4:30 pm

**Gabriel Rios**, *Atmospheric & Oceanic Sciences (Advisor: Gabriel Vecchi)*

**“Quantifying the upscale influence of tropical cyclones on the climate system”**

4:30-4:50 pm

**Sharifa Lookman**, *Art & Archaeology (Advisor: Carolina Mangone)*

**“From pixel to foundry: Recuperating sixteenth-century bronze techniques and technicians through 3D-imaging and historical reconstruction”**

4:50-5:15 pm

**Light Refreshments**, *Outside the Commons Visualization Lab*

