Physical Chemistry Experimental and Theory Graduate Student Award Symposium

2:00-5:00pm EDT, September 25, 2024

Ardavan Farahvash, Massachusetts Institute of Technology, Advisor: Adam Willard
Theories of Phonon-Adsorbate Coupling and Ramifications for Catalytic Rates

Pengju Li, University of Chicago, Advisor: Bozhi Tian
Illuminating Biointerfaces: Exploring Photoelectrochemical Processes for Advanced Biological Modulation

Josée Maurais, Université de Sherbrooke, Advisor: Patrick Ayotte
Towards the elaboration of the NO_2 hydrolysis on ice

Matthew Ryan, University of Wisconsin, Advisor: Martin Zanni
Site-specific two-dimensional infrared spectroscopy in K+ channel selectivity filters

15 min break

Qing Xie, Lehigh University, Advisor: Xiaoji Xu
Broadband Infrared Nano-Spectroscopy

Dedi Wang, University of Maryland, Advisor: Pratyush Tiwary
Integrating Molecular Dynamics, Physics, and AI for the Next Generation of Theoretical Chemistry Methods

Wenxiang Ying, University of Rochester, Advisor: Pengfei Huo
Resonance Theory and Quantum Dynamics Simulations of Vibrational Polariton Chemistry

Alexander Powers, Stanford University, Advisor: Ron Dror
From Atoms to Therapeutics: Designing Better Drugs through Molecular Simulations and Machine Learning

Format: Each speaker will give a 15-minute presentation followed by 5-minutes of Q&A.

Register for Zoom Link:
https://tinyurl.com/acspchem

YouTube livestream:
https://tinyurl.com/acspchem-yt

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