

Computer Science Session

Room:	100 Powell-Booth		
1:00 - 1:20 PM	Stuart C. Florescu	Hardware-efficient generative quantum Eigensolver for ground state energy estimation	Alan Aspuru-Guzik Professor of Chemistry and Computer Science, University of Toronto Austin Cheng Graduate Student in Chemistry, University of Toronto R. Michael Alvarez Flintridge Foundation Professor of Political and Computational Social Science
1:20 - 1:40 PM	Joseph W. Giambrone James H. Milovich SURF Fellow	Supporting teaching assistants in theoretical Computer Science courses	Adam Blank Teaching Professor of Computing and Mathematical Sciences Claire Ralph Lecturer in Computing and Mathematical Sciences Matthew Gherman Hearst Postdoctoral Scholar Teaching Fellow in Mathematics
1:40 - 2:00 PM	Kyle T. Berkson Dale and Suzanne Burger SURF Fellow	Extending BayesRays for reliable spatial uncertainty in ill-posed inverse problems	Katherine L. Bouman Associate Professor of Computing and Mathematical Sciences, Electrical Engineering, and Astronomy; Rosenberg Scholar; Investigator, Heritage Medical Research Institute Brandon Zhao Graduate Student in Computing and Mathematical Sciences
2:00 - 2:20 PM	Eric M. He	Understanding the computational limits of bipartite graph alignment	Daniel Cullina Assistant Professor of Electrical Engineering, Pennsylvania State University Adam C. Wierman Carl F Braun Professor of Computing and Mathematical Sciences

2:20 - 2:40 PM	Alex Chung	Patterns of the Superbowl with robust L-pattern identification	Pablo A. Moscato Professor of Computer Science, University of Newcastle Australia Weijia Zhang Lecturer in Data Science and Applied Statistics, University of Newcastle Australia Matthew Gherman Hearst Postdoctoral Scholar Teaching Fellow in Mathematics
2:40 - 3:00 PM	Kieran A. Hale	Multivariate continued fraction regression with target derivatives	Pablo A. Moscato Professor of Computer Science, University of Newcastle Australia Andreas Heinecke Senior Lecturer in Mathematics, University of Newcastle Australia Adam C. Wierman Carl F Braun Professor of Computing and Mathematical Sciences
3:00 - 3:10 PM	BREAK		
3:10 - 3:30 PM	Chigozirim N. Ifebi Mellon Mays SURF Fellow	Towards a digital twin: Applying ML methodologies to complete solar event data	Hillary Mushkin Research Professor of Art and Design Ashish Mahabal Deputy Director, Caltech Center for Data-Driven Discovery
3:30 - 3:50 PM	Anya B. Mischel Candace Rypisi SURF Fellow	Data visualization for an exploratory sun emissions dashboard	Hillary Mushkin Research Professor of Art and Design Ashish Mahabal Deputy Director, Caltech Center for Data-Driven Discovery Allan Labrador Staff Scientist in the Space Radiation Lab Santiago Lombeyda Senior Computational Scientist in the Center for Data-Driven Discovery
3:50 - 4:10 PM	Gavin N. John	Using an expected volume heuristic to guide adaptive sampling of molecular dynamics simulations of proteins	Gregory Bowman Louis Heyman University Professor of Bioengineering, University of Pennsylvania Mitchell Guttman Professor of Biology

4:10 - 4:30 PM Duy H. Nguyen Functional flow matching for Anima Anandkumar Larson Scholar self-supervised representation Bren Professor of Computing and learning on time series data Mathematical Sciences Jiayun Wang Postdoctoral Scholar Research Associate in Computing and Mathematical Sciences Jiachen Yao Graduate Student in Computing and Mathematical Sciences 4:30 - 4:50 PM Jennifer A. Cruden Towards formal verification of Anima Anandkumar Bren Professor of Computing and neural networks in Lean Mathematical Sciences Robert Joseph George Graduate Student in Computing and Mathematical Sciences