

Computer Science

Session **I**

Room: 100 Powell-Booth

1:00 - 1:20 PM	Joseph H. Zhou	Multi-subject neural decoding from intracranial recordings	Yanan Sui <i>Associate Professor of Computer Science, Tsinghua University</i> Glen A. George <i>Teaching Professor of Electrical Engineering</i>
1:20 - 1:40 PM	Joan Li	Biomechanically driven forward neural encoding: Synthetic EEG generation	Yanan Sui <i>Associate Professor of Computer Science, Tsinghua University</i> Glen A. George <i>Teaching Professor of Electrical Engineering</i>
1:40 - 2:00 PM	Tobjorn L. Nelson <i>Arjun Bansal ('05) and Ria Langheim SURF Fellow</i>	Utilizing full memory: An exploration of techniques in catalytic space	Chris M. Umans <i>Professor of Computer Science</i>
2:00 - 2:20 PM	Chengyi Liu <i>Class of '52 60th Reunion SURF Fellow</i>	Sparse predict and demote: Optimal scheduling with minimal size advice	Adam C. Wierman <i>Carl F Braun Professor of Computing and Mathematical Sciences</i> Tinashe Handina <i>Graduate Student in Computing and Mathematical Sciences</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Zichang W. Wang <i>Guo/Zhao Family SURF Fellow</i>	FROST: Stochastic prediction-space adaptation for sim-to-real PDE forecasting	Yisong Yue <i>Professor of Computing and Mathematical Sciences</i>
2:50 - 3:10 PM	Ibrahim Adam	Development of a deterministic adaptive mathematics platform for students transitioning from grade 9 (JHS 3) to grade 10 (SHS 1) in Ghana and Kenya	Franca Hoffmann <i>Assistant Professor of Computing and Mathematical Sciences; William H. Hurt Scholar</i> Jasmine R. Bryant <i>Director, Center for Teaching, Learning, and Outreach</i>

3:10 - 3:30 PM	Ernest W. Ting	Question and quiz analysis of open STACK questions: Validating diagnostics with real course data	Franca Hoffmann <i>Assistant Professor of Computing and Mathematical Sciences; William H. Hurt Scholar</i> Jasmine R. Bryant <i>Director, Center for Teaching, Learning, and Outreach</i> Juma Zevick Otieno <i>Professor of STEM Education, Universita Degli Studi Di Trieste</i>
3:30 - 3:50 PM	Ethan M. Feng <i>Citadel Global Fixed Income SURF Fellow</i>	A manifold constrained Ensemble Kalman Filter algorithm for nonlinear dynamics	Andrew M. Stuart <i>Bren Professor of Computing and Mathematical Sciences</i> Bohan Chen <i>Postdoctoral Scholar Research Associate in Computing and Mathematical Sciences</i> Sangmin Park <i>von Karman Instructor in Computing and Mathematical Sciences</i>
3:50 - 4:10 PM	Amudhan S. Gurumoorthy	Using conflict graphs to determine the best models against adversarial noise	Daniel Cullina <i>Assistant Professor of Electrical Engineering, Pennsylvania State University</i> Konstantin Zuev <i>Teaching Professor of Computing and Mathematical Sciences</i>