

Computer Science

Session **H**

Room: 133 Guggenheim

10:30 - 10:50 AM	Annabelle Miin <i>Samuel P. and Frances Krown SURF Fellow</i>	Masked autoencoder pretraining for stable PDE rollouts	Anima Anandkumar <i>Bren Professor of Computing and Mathematical Sciences</i> Robert Joseph George <i>Graduate Student in Computing and Mathematical Sciences</i>
10:50 - 11:10 AM	Aaron Zhou <i>Samuel P. and Frances Krown SURF Fellow</i>	Expanding past Miller-Schupp: Generating new presentation families for learning Andrews-Curtis trivialization paths using knot theory	Anima Anandkumar <i>Bren Professor of Computing and Mathematical Sciences</i> Robert Joseph George <i>Graduate Student in Computing and Mathematical Sciences</i>
11:10 - 11:30 AM	Evan B. Xie	Linearithmic scaling density functional theory via Fourier neural operators	Anima Anandkumar <i>Bren Professor of Computing and Mathematical Sciences</i> Danish Khan <i>Postdoctoral Scholar Research Associate in Computing and Mathematical Sciences</i>
11:30 - 11:50 AM	Cindy Y. Zhao <i>Samuel P. and Frances Krown SURF Fellow</i>	Capturing membrane dynamics and spike timing of human neurons at scale using neural operators	Anima Anandkumar <i>Bren Professor of Computing and Mathematical Sciences</i> Valentin Duruisseaux <i>Postdoctoral Scholar Research Associate in Computing and Mathematical Sciences</i>
11:50 AM - 1:00 PM	LUNCH		
1:00 - 1:20 PM	Benjamin L. Ostrovsky <i>Taylor Lawrence SURF Research Fellow</i>	How to revoke users in encryption schemes anonymously	Sanjam Garg <i>Associate Professor of Computer Science, University of California, Berkeley</i> Leonard J. Schulman <i>Professor of Computer Science</i>
1:20 - 1:40 PM	Avni Garg <i>DaRin Butz SURF Fellow</i>	Conversational video segmentation	Georgia Gkioxari <i>Assistant Professor of Computing and Mathematical Sciences and Electrical Engineering; William H. Hurt Scholar</i> Aadarsh Sahoo <i>Graduate Student in Computing and Mathematical Sciences</i>

1:40 - 2:00 PM	Saanvi Skanda Subramanian	Structural-functional integration for enhanced detection of subtle epileptogenic lesions: A framework for a multimodal EEG-MRI clinically-informed approach	Shreyas S. Vasanawala <i>Professor of Radiology; Director of MRI, Stanford Children's Hospital</i> Bruno Passebon Soares <i>Associate Professor of Radiology, Stanford University</i> Mateus Aragao Esmeraldo <i>Pediatric Radiology Fellow, Stanford University</i> Pietro Perona <i>Allen E. Puckett Professor of Electrical Engineering</i>
2:00 - 2:20 PM	Xiaoli Zhao	Joint optimization of k-space sampling and water-fat separation for accelerated dual-echo MRI	Shreyas S. Vasanawala <i>Professor of Radiology; Director of MRI, Stanford Children's Hospital</i> Yan Wu <i>Research Scientist in Radiology, Stanford University</i> Aiqi Sun <i>Physical Science Research Scientist, Stanford University</i> Houman Owhadi <i>IBM Professor of Applied and Computational Mathematics and Control and Dynamical Systems</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Rayhan A. Zirvi <i>Taylor Lawrence SURF Research Fellow</i>	Learning anisotropic prediction targets for flow models	Leonidas Guibas <i>Paul Pigott Professor of Computer Science, Stanford University</i> Georgia Gkioxari <i>Assistant Professor of Computing and Mathematical Sciences and Electrical Engineering; William H. Hurt Scholar</i>
2:50 - 3:10 PM	Ayushi Mehrotra	What heads are you really finding? Single-token vs. free-form localization	Dylan Hadfield-Menell <i>Associate Professor of Electrical Engineering and Computer Science, Massachusetts Institute of Technology</i> Aruna Sankaranarayanan <i>Graduate Student in Electrical Engineering and Computer Science, Massachusetts Institute of Technology</i> Adam C. Wierman <i>Carl F Braun Professor of Computing and Mathematical Sciences</i>

3:10 - 3:30 PM	Gio Huh Mark Reinecke SURF Fellow	HomeBody: A humanoid that explores, remembers, and acts on its own	Karen Liu <i>Professor of Computer Science, Stanford University</i> Guy Tevet <i>Postdoctoral Scholar in Computer Science, Stanford University</i> Takara Truong <i>Graduate Student in Computer Science, Stanford University</i> Georgia Gkioxari <i>Assistant Professor of Computing and Mathematical Sciences and Electrical Engineering; William H. Hurt Scholar</i>
3:30 - 3:50 PM	Rafael I. Castro	Spectral methods for causal effect estimation in linear time-series models	Bijan H. Mazaheri <i>Assistant Professor of Engineering, Dartmouth College</i> Leonard J. Schulman <i>Professor of Computer Science</i>
3:50 - 4:10 PM	Jadon T. Lam Bob and Carole Chapman SURF Fellow	What to reward and where to start: Guiding robots that learn by trial and error	Pietro Perona <i>Allen E. Puckett Professor of Electrical Engineering</i> Ilona Demler <i>Graduate Student in Computing and Mathematical Sciences</i>