

Unless otherwise noted, proceedings will take place in the Auditorium.

8:45 AM	Welcome and Introduction Behnaam Aazhang, Rice University
8:50 AM	<u>Keynote Address 1</u> Session Chair: Behnaam Aazhang, Rice University Towards advancing neuro-engineering with bio-integrated electronics and scalable dynamic analysis methods Todd Coleman, University of California San Diego
9:50 AM	Break
	<u>Short Talks, Session 1</u> Session Chair: David Dickman, Rice University and Baylor College of Medicine
10:00 AM	Engineering better memory Jack Byrne, University of Texas Health Science Center-Houston
10:35 AM	The next generation of deep brain stimulation Ashwin Viswanathan, Baylor College of Medicine
11:10 AM	On-Chip Electrophysiological Phenotyping in Intact <i>C. elegans</i> Daniel Gonzales, Rice University (Trainee Speaker)
11:25 AM	Improved Perceptual Performance and Coding Accuracy Following Optimal Stimulation of V1 Populations Ariana Andrei, University of Texas Health Science Center-Houston (Trainee Speaker)
11:40 AM	Introduction to IGERT Trainees Rob Raphael, Rice University
11:50 AM	Poster Session (Event Space)
12:30 PM	Lunch, Poster Session Continued (Event Space)
	<u>Short Talks, Session 2</u> Session Chair: Anne Sereno, University of Texas Health Science Center-Houston
1:30 PM	High-Throughput Imaging Systems to Enable Whole Brain Phenotyping David Mayerich, University of Houston
2:05 PM	Moving beyond 2D vision: neural computation of 3D object representations Ari Rosenberg, Baylor College of Medicine
2:40 PM	The nature of semantic interference across language modalities: behavioral and neuroanatomical evidence Tatiana Schnur, Rice University
3:15 PM	An Integrative Bayesian Modeling Approach to Imaging Genetics Michele Guindani, UT MD Anderson Cancer Center
3:50 PM	Break
4:00 PM	<u>Keynote Address 2</u> Session Chair: Rob Raphael, Rice University Stimulating for nothing: filtering peripheral nerve signaling via kHz electrical stimulation Robert Butera, Jr., Georgia Institute of Technology
5:00 PM	Closing Remarks and Awards
5:15 PM	Reception (Event Space)