

CNS/CE/ESE

Computation and Neural Systems/Civil Engineering/Environmental Science and Engineering

Session **O**

Room: 142 Keck

10:00 - 10:20 AM	Karthik V. Sarma <i>Arthur Rock SURF Fellow</i>	Leak Suppression for Catalyzed Nucleic Acid Entropy-Driven Reactions	Erik Winfree <i>Associate Professor of Computer Science, Computation and Neural Systems, and Bioengineering</i> David Zhang <i>Graduate Student in Computation and Neural Systems</i>
10:20 - 10:40 AM	Amy C. Proctor	Seesaw Gates in RNA	Erik Winfree <i>Associate Professor of Computer Science, Computation and Neural Systems, and Bioengineering</i> Lulu Qian <i>Postdoctoral Scholar in Bioengineering</i>
10:40 - 11:00 AM	Talia M. Weiss	Adapting Non-Nucleic Acid Input to a DNA Circuit	Erik Winfree <i>Associate Professor of Computer Science, Computation and Neural Systems, and Bioengineering</i> Lulu Qian <i>Postdoctoral Scholar in Bioengineering</i>
11:00 - 11:20 AM	Christopher G. Berlind <i>Samuel P. and Frances Krown SURF Fellow</i>	A Kinetics-Optimizing DNA Sequence Designer	Erik Winfree <i>Associate Professor of Computer Science, Computation and Neural Systems, and Bioengineering</i> Joseph Schaeffer <i>Graduate Student in Computer Science</i>
11:20 - 11:40 AM	Seung Woo Shin	A Verifying Compiler for DNA Chemical Reaction Networks	Erik Winfree <i>Associate Professor of Computer Science, Computation and Neural Systems, and Bioengineering</i> Shawn M. Ligocki <i>Research Analyst in Electrical Engineering</i>
11:40 AM - 1:00 PM	LUNCH		

1:00 - 1:20 PM	Gabriel J. Mendoza <i>The Associates SURF Fellow</i>	Control of Biological Noise in Molecular Automata	Yaakov Benenson <i>Bauer Fellow, Laboratory for Molecular Automata, Harvard University</i> Erik Winfree <i>Associate Professor of Computer Science, Computation and Neural Systems, and Bioengineering</i>
1:20 - 1:40 PM	Sang Ha Shin <i>Kiyo and Eiko Tomiyasu SURF Scholar</i>	Steel Building Collapse Analysis: Closer Look at the Blind Analysis Contest of a Four-Story Building	Swaminathan Krishnan <i>Assistant Professor of Civil Engineering and Geophysics</i> Matthew Muto <i>Postdoctoral Scholar in Civil Engineering</i>
1:40 - 2:00 PM	Ning Du <i>James J. Morgan SURF Fellow</i>	Development of Electrochemical System for Simultaneous Hydrogen Production and Degradation of Real Wastewater	Michael R. Hoffmann <i>James Irvine Professor of Environmental Science</i> Jina Choi <i>Graduate Student in Environmental Science and Engineering</i>
2:00 - 2:20 PM	Sarvesh Garimella	The Upper Ocean Fresh Water Content in the Nordic Seas	Daniela Di Iorio <i>Associate Professor of Marine Science, University of Georgia</i> George R. Rossman <i>Professor of Mineralogy</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Simon J. Kornblith <i>Hugh F. and Audy Lou Colwin SURF Fellow</i>	Modulation of Neuronal Responses by Stimulus Category and Attention Across the Medial Temporal Lobe	Christof Koch <i>Lois and Victor Troendle Professor of Cognitive and Behavioral Biology and Professor of Computation and Neural Systems</i> Florian Mormann <i>Visitor in Computation and Neural Systems</i>
2:50 - 3:10 PM	Fan Huang <i>Richter Scholar</i>	Test and Optimization of Spike Sorting Algorithms Through Biophysical Modeling	Christof Koch <i>Lois and Victor Troendle Professor of Cognitive and Behavioral Biology and Professor of Computation and Neural Systems</i> Costas Anastassiou <i>Postdoctoral Scholar in Biology</i>

3:10 - 3:30 PM

Laura H. Conwill

Effect of Value of a Visual
Stimulus on Its Preferential
Access to Awareness

Christof Koch
*Lois and Victor Troendle Professor
of Cognitive and Behavioral
Biology and Professor of
Computation and Neural Systems*
Milica Milosavljevic
Visiting Associate in Economics

3:30 - 3:50 PM

Robert F. Karol

Autonomous Navigation of a
Montgolfier Within Micro-
Climates on Titan

Jerrold E. Marsden
*Carl F Braun Professor of
Engineering and Control and
Dynamical Systems*
Julian Nott
Consultant Scientist