

Computer Science

Session **K**

Room: 74 Jorgensen

10:00 - 10:20 AM	Isaac J. Chao <i>Rose Hills Foundation SURF Fellow</i>	Elastic Deformations	Peter Schröder <i>Professor of Computer Science and Applied and Computational Mathematics</i>
10:20 - 10:40 AM	Arda Antikacioglu	On the Practicality of Fast Modular Composition and Polynomial Factorization Over Finite Fields	Chris M. Umans <i>Associate Professor of Computer Science</i>
10:40 - 11:00 AM	Evan S. Gawlik <i>The Aerospace Corporation SURF Fellow</i>	Structured Integrators for Computational Magnetohydrodynamics	Mathieu Desbrun <i>Associate Professor of Computer Science</i> Patrick G. Mullen <i>Graduate Student in Computer Science</i>
11:00 - 11:20 AM	Cesar P. Cervantes <i>California State Polytechnic University, Pomona</i>	Uncertainty Quantification in Measurements of Electronic Excited-State Absorption	Mark Stalzer <i>Executive Director of CACR</i>
11:20 - 11:40 AM	Stephen C. Voinea <i>Marcella Bonsall SURF Fellow</i>	An Analysis of the Stump Kernel for Infinite Ensemble Learning	Yaser S. Abu-Mostafa <i>Professor of Electrical Engineering and Computer Science</i>
11:40 AM - 1:00 PM	LUNCH		
1:00 - 1:20 PM	Ryan S. Elmquist <i>Richter Scholar</i>	Design and Implementation of Algorithms to Estimate 3D Relative Pose in Mobile Robot Teams	Stergios Roumeliotis <i>Associate Professor of Computer Science and Engineering, University of Minnesota</i> K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>
1:20 - 1:40 PM	Patrick J. Xia	An Approximation Scheme for Networked Radiation Sensing Systems	K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>
1:40 - 2:20 PM <i>(joint presentation)</i>	Victor C. Chu <i>Arthur E. Lamel Memorial SURF Fellow</i>	Connecting Medical Devices to Cell Phones	K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>

1:40 - 2:20 PM <i>(joint presentation)</i>	Aleksandr Palatnik	Cellular Phones for Medical Diagnostics	K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>
2:20 - 2:30 PM	BREAK		
2:30 - 3:50 PM <i>(joint presentation)</i>	Daniel S. Obenshain <i>Kiyo and Eiko Tomiyasu SURF Scholar</i>	Real-Time Earthquake Detection, Using a Distributed Seismic Network	Robert W. Clayton <i>Professor of Geophysics</i> K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>
2:30 - 3:50 PM <i>(joint presentation)</i>	Rishi J. Chandy <i>Rita A. and Øistein Skjellum SURF Fellow</i>	Inexpensive Sensor Networks for Mapping Ground Shaking After Earthquakes	K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>
2:30 - 3:50 PM <i>(joint presentation)</i>	Lihshih Tang	Inexpensive Sensor Networks for Mapping Ground Shaking After Earthquakes	K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>
2:30 - 3:50 PM <i>(joint presentation)</i>	Daniel E. Rosenberg <i>Kiyo and Eiko Tomiyasu SURF Scholar</i>	Earthquake Detection and Early Warning via Inexpensive Accelerometers	K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i>