

Poster Presentations

Location: San Pasqual Mall

3:45 - 5:00 PM	<i>Eli E. Alster</i>	Mechanical Properties of Nanocrystalline Ni Nanopillars	Julia R. Greer <i>Assistant Professor of Materials Science</i> Jane Lian <i>Postdoctoral Scholar in Materials Science</i>
3:45 - 5:00 PM	<i>Chih-Ping Chen</i>	Patterns of Nanog Sub-State Switching in Single Mouse Embryonic Stem Cells	Michael B. Elowitz <i>Professor of Biology and Bioengineering; Investigator, Howard Hughes Medical Institute</i> John Yong <i>Graduate Student in Biology</i>
3:45 - 5:00 PM	<i>Sandeep P. Chinchali</i>	Towards the Use of Formal Methods for Dexterous Robotic Manipulation	Joel W. Burdick <i>Professor of Mechanical Engineering and Bioengineering</i> Thomas F. Allen <i>Graduate Student in Mechanical Engineering</i>
3:45 - 5:00 PM	<i>Connor W. Coley</i> <i>Richter Scholar</i>	Using Rubredoxin From <i>Pyrococcus furiosus</i> as a Model for Determining Oxidation States of Individual Fe Atoms in Nitrogenase as a Means for Probing the Mechanism of Biological Nitrogen Reduction	Douglas C. Rees <i>Roscoe Gilkey Dickinson Professor of Chemistry; Investigator, Howard Hughes Medical Institute</i> Limei Zhang <i>Postdoctoral Scholar in Chemistry</i>
3:45 - 5:00 PM	<i>Alex Fandrianto</i> <i>Captain Pradeep B. Suklikar Memorial SURF Fellow</i>	Telemedicine and the 10-Cent Checkup	K. Mani Chandy <i>Simon Ramo Professor and Professor of Computer Science</i> Julian J. Bunn <i>Member of the Professional Staff in CACR</i>
3:45 - 5:00 PM	<i>Meng Ge</i>	Symmetries of Unrooted Polygons and Multiple Logarithms	Susama Agarwala <i>Harry Bateman Research Instructor in Mathematics</i>

3:45 - 5:00 PM	Mengyu Guan <i>Caltech-GIST Exchange</i>	Proton Exchange Membranes With Through-Plane Aligned Ion Conducting Channels: A Study of Ionic and Electric Conductivity	Seung-Hyeon Moon <i>Professor of Environmental Science and Engineering, Gwangju Institute of Science and Technology</i> Sung-Hyun Yun <i>Graduate Student in Environmental Science and Engineering, Gwangju Institute of Science and Technology</i>
3:45 - 5:00 PM	David C. Hu <i>Larson Scholar</i>	Dinosaur Body Temperatures From Clumped Isotope Paleothermometry in Carbonate From Eggshells	John M. Eiler <i>Robert P. Sharp Professor of Geology and Professor of Geochemistry</i> Rob Eagle <i>Postdoctoral Scholar in Geochemistry</i>
3:45 - 5:00 PM	Xiao Jin <i>Mary Vodopia SURF Fellow</i>	Post-WWI Scientific Communication Networks as Seen Through Albert Einstein's Correspondence	Diana Kormos Buchwald <i>Professor of History</i>
3:45 - 5:00 PM	Alex B. Jose	Interactive Image Segmentation Toolset: An Application for Crowdsourcing a New Benchmark Segmentation Dataset	Pietro Perona <i>Allen E. Puckett Professor of Electrical Engineering</i> Piotr Dollar <i>Postdoctoral Scholar in Electrical Engineering</i> Michael R. Maire <i>Postdoctoral Scholar in Electrical Engineering</i>
3:45 - 5:00 PM	Valère R. Lambert <i>Kiyo and Eiko Tomiyasu SURF Scholar</i>	Elastostatic Solutions for Realistic Slip and Stress Around Mode II and III Cracks	Jean-Philippe Avouac <i>Professor of Geology</i> Sylvain Barbot <i>Postdoctoral Scholar in Geology</i>
3:45 - 5:00 PM	David Lu	2011 Solar Decathlon: Building Control Subsystem	Richard M. Murray <i>Thomas E. and Doris Everhart Professor of Control and Dynamical Systems and Bioengineering</i> Phil Lee <i>Vice President of Engineering, Suntrough Energy</i>
3:45 - 5:00 PM	James F. Macdonald	Study of Z boson + Higgs $\rightarrow Z$ boson W boson W^* boson \rightarrow leptons + neutrinos at the International Linear Collider	Maria Spiropulu <i>Associate Professor of Physics</i> Barry C. Barish <i>Ronald and Maxine Linde Professor of Physics, Emeritus</i>

3:45 - 5:00 PM	Neeli Mishra <i>Richter Scholar</i>	Proteomic Analysis of Histone Post-Translational Modifications and Their Cellular Targets	Benjamin A. Garcia <i>Assistant Professor of Molecular Biology, Princeton University</i> Jesse L. Beauchamp <i>Mary and Charles Ferkel Professor of Chemistry</i>
3:45 - 5:00 PM	Eric S. Mukherjee	The Incidence of Active Galactic Nuclei in Galaxy Groups	Christine Jones <i>Senior Astrophysicist, Harvard-Smithsonian Center for Astrophysics</i> Andy D. Goulding <i>Postdoctoral Research Fellow, Smithsonian Astrophysical Observatory</i> Fiona A. Harrison <i>Professor of Physics and Astronomy</i>
3:45 - 5:00 PM	Andrew C. Rodriguez	Using Uncertainty Quantification to Maximize the Efficiency of Parallel Resources	Michael M. McKerns <i>Project Manager in Materials Science</i>
3:45 - 5:00 PM	Errika C. Romero <i>Sung-Hsien Chen Shih SURF Fellow</i>	Creating a Peptide Capture Agent Against IgG Fc	James R. Heath <i>Elizabeth W. Gilloon Professor and Professor of Chemistry</i> Jessica A. Pfeilsticker <i>Graduate Student in Chemistry and Chemical Engineering</i>
3:45 - 5:00 PM	Bhargav G. Setlur	Fabrication of Silicon-Based Nanopore Membranes for DNA Nucleotide Characterization	Axel Scherer <i>Bernard A. Neches Professor of Electrical Engineering, Applied Physics, and Physics</i> Aditya Rajagopal <i>Graduate Student in Electrical Engineering</i>
3:45 - 5:00 PM	Jeffrey D. Sherman	Construction of a Polarization Sensitive Optical Coherence Tomography System	Scott E. Fraser <i>Anna L. Rosen Professor of Biology and Professor of Bioengineering</i> Reza Motaghian Nezam <i>Senior Postdoctoral Fellow in Biology</i>
3:45 - 5:00 PM	Kelsey M. Spaur	Formation of Membrane Protein Nanocrystals Through Laminar Flow	Michael H. Stowell <i>Associate Professor of Biology, University of Colorado, Boulder</i> Rob B. Phillips <i>Professor of Applied Physics and Mechanical Engineering</i>

3:45 - 5:00 PM	Aiden Sullivan	Optical Feedback Cooling of a "Zipper" Optomechanical Cavity	Oskar J. Painter <i>Professor of Applied Physics</i> Alexander G. Krause <i>Graduate Student in Applied Physics</i>
3:45 - 5:00 PM	Adam R. Ullah East Los Angeles College <i>NSF Center for the Science and Engineering of Materials</i> <i>MURF Fellow</i>	Cryogenic Impact Testing of Tin (Sn) Solders and Bulk Metallic Glass Composites	Marios D. Demetriou <i>Senior Research Fellow in Materials Science</i> Armando M. Rivera-Figueroa <i>Assistant Professor of Chemistry, East Los Angeles College</i>
3:45 - 5:00 PM	Angie Wang <i>Rose Hills Foundation</i> <i>SURF Fellow</i>	Test Bench for a Retinal Prosthesis Neurostimulator IC	Azita Emami <i>Assistant Professor of Electrical Engineering</i> Manuel A. Monge Osorio <i>Graduate Student in Electrical Engineering</i>
3:45 - 5:00 PM	Amy Wat California State University, Los Angeles <i>NSF Center for the Science and Engineering of Materials MURF Fellow</i>	Strong and Tough Graphene-Polymer Composites	Julia R. Greer <i>Assistant Professor of Materials Science</i> Xun Gu <i>Graduate Student in Chemical Engineering</i> Frank A. Gomez <i>Professor of Chemistry, California State University, Los Angeles</i>
3:45 - 5:00 PM	Christine E. Wu <i>Amgen Scholar</i>	Establishing an Efficient Cell Sorting and Release Protocol	James R. Heath <i>Elizabeth W. Gilloon Professor and Professor of Chemistry</i> Young Shik Shin <i>Visitor in Chemistry</i>