

Chemistry

Session **E**

Room: 127 Baxter

10:00 - 10:20 AM	Tina X. Ding <i>John and Maria Laffin Trust SURF Fellow</i>	Optimizing Interface in Electropolymerization of Methyl, Thienyl, and Mixed Monolayer Surfaces	Nathan S. Lewis <i>George L. Argyros Professor and Professor of Chemistry</i> Leslie E. O'Leary <i>Graduate Student in Chemistry</i>
10:20 - 10:40 AM	Jessie C. Ku <i>Richter Scholar</i>	Investigating the Deposition of Metal Catalysts on Structured Semiconductor for VLS Wire Growth and Water Photoelectrolysis	Nathan S. Lewis <i>George L. Argyros Professor and Professor of Chemistry</i> Emily Warren <i>Graduate Student in Chemical Engineering</i>
10:40 - 11:00 AM	Xueliang Liu <i>Rossum Family SURF Fellow</i>	Hybrid Conductive Polymer/Silicon Junctions for Solar Energy Conversion	Nathan S. Lewis <i>George L. Argyros Professor and Professor of Chemistry</i> Michael G. Walter <i>Postdoctoral Scholar in Chemistry</i>
11:00 - 11:20 AM	Jeanne Y. Peng <i>Edward W. Hughes SURF Fellow</i>	Gallium Phosphide Anodes in Two Junction Semiconductor Microwire Photoelectro- chemical Cell for Solar Fuel Generation	Nathan S. Lewis <i>George L. Argyros Professor and Professor of Chemistry</i> Greg M. Kimball <i>Graduate Student in Chemistry</i>
11:20 - 11:40 AM	Jordan C. Theriot <i>Sidney R. and Nancy M. Petersen SURF Fellow</i>	Composites of Metallo- porphyrins and Carbon Black for Chemical Vapor Sensing	Nathan S. Lewis <i>George L. Argyros Professor and Professor of Chemistry</i> Edgardo Garcia <i>Graduate Student in Chemistry</i>
11:40 AM - 1:00 PM	LUNCH		
1:00 - 1:20 PM	Anna S. Ivanova <i>Richter Scholar</i>	Synthesis of Novel Titanium Complexes for Inexpensive Carbon Dioxide Reduction	Christopher C. Cummins <i>Professor of Chemistry, Massachusetts Institute of Technology</i> Nathan S. Lewis <i>George L. Argyros Professor and Professor of Chemistry</i>

1:20 - 1:40 PM	Marissa C. Barrientos	The Ionization of Strontium and Its Reaction With Oriented Molecules	Philip R. Brooks <i>Professor of Chemistry, Rice University</i> Mitsuo Okumura <i>Professor of Chemical Physics</i>
1:40 - 2:00 PM	Kristina M. Flavier <i>Rose Hills Foundation SURF Fellow</i>	Conformational Preferences of Succinic Acid in Media Modeled After the Cell	John D. Roberts <i>Institute Professor of Chemistry, Emeritus</i>
2:00 - 2:20 PM	Nicholas Rosa <i>Reed and Ruth Brantley SURF Fellow</i>	C-H Bond Activation in the Dimerization of Bisphenolate "Pincer" Compounds of Group IV Metals	John E. Bercaw <i>Centennial Professor of Chemistry</i> Suzanne R. Golisz <i>Graduate Student in Chemistry</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Tianjia J. Ge	Investigating the DNA-Mediated Charge Transport (CT) Pathway of Endonuclease III	Jacqueline K. Barton <i>Arthur and Marian Hanisch Memorial Professor and Professor of Chemistry</i> Christine A. Romano <i>Graduate Student in Chemistry</i>
2:50 - 3:10 PM	Xida Zheng <i>David S. Koons SURF Fellow</i>	Observing the Oxidation of the Iron-Sulfur Cluster in Endonuclease III Through DNA Mediated Charge Transport Using Transition Metal Complexes	Jacqueline K. Barton <i>Arthur and Marian Hanisch Memorial Professor and Professor of Chemistry</i> Eric D. Olmon <i>Graduate Student in Chemistry</i>
3:10 - 3:30 PM	Maria A. Luca <i>Scripps College</i>	Crystallographic Determination of the Substrate Site(s) in Nitrogenase	Douglas C. Rees <i>Roscoe Gilkey Dickinson Professor of Chemistry; Investigator, Howard Hughes Medical Institute</i>