



NATIONAL SCIENCE FOUNDATION
Summer Research in Solid State Chemistry
for Undergraduates & College Faculty



Symposium Schedule				
Oregon State University ♦ Corvallis, OR ♦ August 14-15, 2009				
Friday 14 Aug	School	Research Lab	Research Title	
9:00 AM	Trent Anderson	Augustana College	Shiou-Jyh Hwu Clemson University	<i>Exploratory Synthesis and Characterization of High Nuclearity Cluster-based Compounds</i>
9:15 AM	Zane Baird	Southern Utah University	Abraham Clearfield Texas A&M University	<i>Synthesis and ion-exchange properties of doped antimony silicate pyrochlores</i>
9:30 AM	Kristen Baroudi	University at Buffalo	Jennifer A. Aitken Duquesne University	<i>Synthesis and characterization of Fe-doped CuInS₂</i>
9:45 AM	Breland Brumby	Sewanee: Univ. of the South	Jim Martin North Carolina State Univ.	<i>A Comparison of the Sorptive Capabilities of ZnCl₂ and the CZX Halozeotypes</i>
10:00 AM	Mike Carroll	Fort Lewis College	David C. Johnson University of Oregon	<i>Electrical Properties of Thin Film Bi₂Te₃, Measured at Variable Annealing Temperatures</i>
10:15 AM	<i>Break</i>			
10:30 AM	Erica Chen	U California, Los Angeles	Stephanie Brock Wayne State University	<i>CdS gels for photocatalysis of dyes</i>
10:45 AM	Jacob Cox	Virginia Military Institute	Sarah H. Tolbert UCLA	<i>Layer-by-Layer Films as 3D Battery Electrolytes</i>
11:00 AM	Priscilla Cristi	George Mason University	Frank DiSalvo Cornell University	<i>Nanoparticle Synthesis for Fuel Cell Catalysts</i>
11:15 AM	Poster Session			
12:00 PM	Lunch			

		School	Research Lab	Research Title
1:15 PM	Kyle Denk	Truman State University	Mercouri Kanatzidis Northwestern University	<i>Hexagonal Mesoporous GexSny Semiconductors</i>
1:30 PM	Clifford Engel	Ithaca College	Bob Cava Princeton University	<i>Synthesis and Study of New Thermoelectric Material Related to the Bismuth Tellurium Structure</i>
1:45 PM	Alexey Gilman	Oregon State University	Joanna Aizenberg Harvard University	<i>Inverse Opal CaCO₃ and TiO₂ by Colloidal Co-Assembly</i>
2:00 PM	Kimberly Hartstein	Washington University	Sophia E. Hayes Washington University	<i>Monitoring Topochemical Photochemistry in the Solid State in Molecular Crystals and Supramolecular Complexes</i>
2:15 PM	Break			
2:30 PM	Geneva Laurita	Univ. of Northern Colorado	Mas Subramanian Oregon State University	<i>Synthesis of Conducting Tellurium Oxide Pyrochlores.</i>
2:45 PM	Laura Oliveira	New York University	Michael Ward New York University	<i>Polar Ordering in Hydrogen-Bonded Host Frameworks</i>
3:00 PM	Latisha Paw U	University of California - Davis	Scott Oliver UC, Santa Cruz	<i>Synthesis of Cationic Metal-Organic Framework Structures with Silver, Copper and Cadmium and their Application as Heterogeneous Catalysts</i>
3:15 PM	Brandon Schabes	Kalamazoo College	Ed Gillan University of Iowa	<i>Metal Oxide Templating of Organic Leaf Structures</i>
3:30 PM	Poster Session			
4:00 PM	Eric Schneller	Point Loma Nazarene Univ.	Ram Seshadri UC, Santa Barbara	<i>Microwave Assisted Synthesis of Lithium Battery Materials</i>
4:15 PM	Arwyn Smalley Edmody Motto	St. Martin's University	Daniel Gamelin University of Washington	<i>Excitation of CdSe Shells by Upconversion in Doped NaYF₄ Nanocrystal Cores</i>
6:00 PM	Outdoor BBQ			

Saturday 15 Aug	School	Research Lab	Research Title
9:00 AM	Jared Stritzinger Clemson University	Thomas E. Albrecht-Schmitt University of Notre Dame	<i>Adventures in Uranyl Borate Chemistry</i>
9:15 AM	Michael Swenson Gustavus Adolphus College	Richard Kaner UCLA	<i>Super-Hard High Boron Content Metal Borides</i>
9:30 AM	Ryan Toll Michigan Tech	Douglas A. Keszler Oregon State University	<i>Use of Niobium alloyed HafSOx in Thin Film Transistors</i>
9:45 AM	Marcus Toussaint Louisiana State University	Jeff Snyder CalTech	<i>Nanoscale Precipitation in bulk PbTe-based Alloys for use in Thermoelectrics</i>
10:00 AM	Tylan Watkins Washington State Univ.	Paul Maggard North Carolina State Univ	<i>Using Solar Energy to Harvest H₂: Photocatalytic Properties of PbTiO₃</i>
10:15 AM	Poster Session		
Afternoon	Excursion to Silver Falls State Park		