



2011 Ohio Inorganic Weekend Oral Presentations

8:30am–4:50pm on Saturday October 29, 2011
400B Tangeman University Center (TUC)
University of Cincinnati



8:30-8:55 **Continental Breakfast**

8:55-9:00 **Welcoming Remarks by Prof. Bill Heineman, Head of Chemistry Department**

Morning Session (Chaired by Prof. Hairong Guan)

| Time | Title | Presenter | Affiliation | Advisor |
|-------------|--|-------------------------------|------------------------|----------------|
| 9:00-9:25 | Modulation of Water-Exchange Rates Using Polymers in Ln(III)-Containing Complexes | Buddhima Siriwardena-Mahanama | Wayne State University | Matt Allen |
| 9:25-9:50 | Exploring the Rich Electron Transfer Behavior of Mn, Fe, Co, and Ga Complexes with a Redox-Active Bis(phenolate) Phenylenediamine Ligand | Frank Lesh | Wayne State University | Claudio Verani |
| 9:50-10:15 | Graminophosphines: A New Class of Ionic Liquid Soluble Ligands and their Application in C–C Coupling Reactions | Adam Keith | University of Toledo | Mark Mason |
| 10:15-10:35 | Coffee Break | | | |
| 10:35-11:00 | Metal Scorpionate Complexes as Nitrene Transfer Catalysts | Shengwen Liang | Ohio University | Michael Jensen |

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| 10:00-11:25 | Exploring the Reactivity of Flavonoids Toward Metal-Associated Amyloid-beta Species in Alzheimer's Disease | Alaina DeToma | University of Michigan | Mi Hee Lim |
| 11:25-11:50 | Microporous Organic Solids with Very Large Asymmetric Units | Joshua Greenfield | Oberlin College | Jesse Rowsell |
| 11:50-1:30 | Lunch Break | | | |
| 12:55-1:20 | Tour of the Chemistry Buildings (Meets in TUC Room 400-B at 12:45) | | | |

Afternoon Session (Chaired by Prof. Bill Connick)

| Time | Title | Presenter | Affiliation | Advisor |
|-------------|---|----------------------------|------------------------|----------------|
| 1:30-1:55 | Targeted Contrast Agents for Magnetic Resonance Imaging | Sashiprabha Vithanarachchi | Wayne State University | Matt Allen |
| 1:55-2:20 | Synthesis, Redox Properties, and Langmuir Monolayer Formation of Selected 3d-Metalloamphiphiles | Rama Shanmugam | Wayne State University | Claudio Verani |
| 2:20-2:45 | A New Class of Trianionic Constrained Geometry Ligands: Synthesis, Characterization, and Representative Complexes | Chris Yeisley | University of Toledo | Mark Mason |
| 2:45-3:10 | Kinetic and Mechanistic Studies of the Reactions of Vitamin B12 Derivatives with Nitroxyl (HNO) Donors | Harishchandra Subedi | Kent State University | Nicola Brasch |

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| 3:10-3:30 | Coffee Break | | | |
| 3:30-3:55 | Synthesis and Characterizations of Conjugated Materials with Phosphorus | Feng Laughlin | Case Western Reserve University | John Protasiewicz |
| 3:55-4:20 | O ₂ Activation at Pseudotetrahedral Ni(II) Phenolate Complexes | Tapash Deb | Ohio University | Michael Jensen |
| 4:20-4:45 | Novel Light Responsive alpha-Hydroxy Acid Iron Chelates | Mark Shelton | University of Cincinnati | Mike Baldwin |
| 4:45-4:50 | Closing Remarks by Prof. Bill Connick | | | |

Sponsors of the 2011 Ohio Inorganic Weekend

