



Ohio Inorganic Weekend 2008

Schedule for Nov. 8th

- 7:45 – 8:25 Continental Breakfast (Wolfe Hall Lobby)
- 8:25 – 8:30 Introduction and Opening Remarks
Joseph A. R. Schmidt; University of Toledo
- Research presentations--30 minutes each, including questions. (Wolfe Hall 1205)
- 8:30 – 9:00 Photon Upconversion in Solution and in Solid Polymer Films
*Tanya Singh-Rachford, Radiy Islangulov, and Felix Castellano**
Bowling Green State University
- 9:00 – 9:30 Accessing the Long-lived Triplet Excited State in Perylenediimides
*Aaron A. Rachford, Sébastien Goeb, and Felix N. Castellano**
Bowling Green State University
- 9:30 – 10:00 Two Color Reversible Photochromism
*Beth Anne McClure and Jeffrey J. Rack**
Ohio University
- 10:00 – 10:30 Coffee Break
- 10:30 – 11:00 Synthesis, Reactivity and Catalysis Involving 3-Iminophosphine Palladium(II) Complexes
*Andrew R. Shaffer and Joseph A. R. Schmidt**
University of Toledo
- 11:00 – 11:30 Hydrosilylation of Aldehydes and Ketones Catalyzed by Nickel PCP-Pincer Hydride Complexes
*Sumit Chakraborty and Hairong Guan**
University of Cincinnati
- 11:30 – 12:00 An Analysis of Current Models of Mixed Valence Complexes and a Proposal for a New Classification
*Ben Lear and Malcolm Chisholm**
The Ohio State University
- 12:00 – 1:30 Lunch Break

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| 1:30 – 2:00 | <p>Progress Toward the Synthesis, Characterization, and Relaxivity Properties of a New Series of Gd³⁺ Complexes That Contain Dendrimers</p> <p><u>Holliness Nose</u> and <u>Matthew J. Allen</u>[*]</p> <p>Wayne State University</p> |
| 2:00 – 2:30 | <p>The Effect of a Proton in High-Spin Ferrous Heme-Imidazole Complexes</p> <p><u>Corinne Sulok</u>^a, <u>Chuanjiang Hu</u>^b, <u>W. Robert Scheidt</u>^b, <u>Charles Schulz</u>^c, and <u>Nicolai Lehnert</u>^{a*}</p> <p>^aUniversity of Michigan, ^bUniversity of Notre Dame, ^cKnox College, Galesburg, IL</p> |
| 2:30 – 3:00 | <p>Nickel(II) in N₃S₂ Ligand Fields Inspired by Superoxide Dismutase</p> <p><u>Huaibo Ma</u>,^a <u>Jeffrey L. Petersen</u>^b, and <u>Michael P. Jensen</u>^{a*}</p> <p>^aOhio University; ^bWest Virginia University</p> |
| 3:00 – 3:15 | Break |
| 3:15 – 3:45 | <p>Fine-Tuning the Redox-Cyclability of Asymmetrical Trivalent Iron and Cobalt Complexes as Prototypes for Molecular Switches</p> <p><u>Marco M. Allard</u> and <u>Claudio N. Verani</u>[*]</p> <p>Wayne State University</p> |
| 3:45 – 4:15 | <p>On the Relationship Between Coordination and Protonation Preferences and Amphiphilic Behavior in Metallosurfactants</p> <p><u>Frank D. Lesh</u> and <u>Claudio N. Verani</u>[*]</p> <p>Wayne State University</p> |
| 4:15 – 4:45 | <p>Synthesis, Redox, and Amphiphilic Properties of Responsive Salicylaldimine-Copper(II) Soft Materials</p> <p><u>Sarmad Sahiel Hindo</u>, <u>Rajendra Shakya</u>, <u>N. S. Rannulu</u>, <u>Mary Jane Heeg</u>, <u>M. T. Rodgers</u>, <u>Sandro R. P. da Rocha</u>, <u>Claudio N. Verani</u>[*]</p> <p>Wayne State University</p> |
| 4:45 | <p>Closing Remarks</p> <p><u>Mark Mason</u>; <u>The University of Toledo</u></p> |