



2013 Ohio Inorganic Weekend Oral Presentations

8:30 am-4:50 pm Saturday November 16, 2013
Science Center Room 114
University of Dayton



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

8:55-9:00 **Welcoming Remarks by Michael McCabe (Vice President for Research, Executive Director of the University of Dayton Research Institute)**

Time	Title	Presenter	Advisor	Affiliation
9:00-9:20	Dinuclear metal complexes for the cooperative binding and activation of small molecules	Jeff Beattie	Stas Groysman	Wayne State University
9:20-9:40	Sulfur oxidation effects on catalytic nitrile hydration using ruthenium(II) mimics: relevance to enzyme nitrile hydratase	Davinder Kumar	Craig A. Grapperhaus	University of Louisville
9:40-10:00	Selective Reductions Using Sm(II) Cryptates	Akhila Kuda-Wedagedara	Matthew Allen	Wayne State
10:00-10:20	Synthesis and characterization of stable conjugated materials featuring "P=C" bonds	Shanshan Wu	John Protasiewicz	Case Western Reserve University
10:20-10:35	Coffee Break			

10:40-11:00	3D Conjugated acceptors: Azadipyrrromethene based homoleptic Zn(II) complexes	Wasana Senevirathna	Genevieve Suave	Case Western Reserve University
11:00-11:20	Tuning the stability and optoelectronic properties of germanane via covalent methyl- termination	Shsihi Jiang	Josh Goldberger	The Ohio State University
11:20-11:40	Synthesis and characterization of new calix[4]arene based precursors for stationary phases useful in separation of rare earth metals	Sreejit Menon	Joe Schmidt	University of Toledo
11:45-1:15	Lunch Break			
1:20-1:40	Spectroscopic investigation of a novel ruthenium sulfoxide two- color photochrome	Albert King	Jeffrey Rack	Ohio University
1:40-2:00	Luminescence of Eu ³⁺ in doubly ordered double perovskites	Andrew Sharits	Pat Woodward	The Ohio State University
2:00-2:20	Interaction of Alkynes with Palladium POCOP-Pincer Hydride Complexes and Its Unexpected Relation to Palladium-Catalyzed Hydrogenation of Alkynes	Anubendu Adhikary	Hairong Guan	University of Cincinnati
2:20-2:40	Photocatalytic Hydrogen Production via Dirhodium Complexes	Suzanne Witt	Claudia Turro	The Ohio State University
2:45-3:00	Break			
3:00-3:20	Photochemistry of Complexes Containing alpha-Hydroxy Acid Chelates	Jennifer Grabo	Michael Baldwin	University of Cincinnati

3:20-3:40	Oxidant-Free Conversion of Primary Amines to Nitriles Catalyzed by a Ru(II) Hydride Complex	Tim Tseng	Nathaniel K. Szymczak	University of Michigan
3:40-4:00	Tripodal titanium silsesquioxanes: selective catalysts for alkene epoxidation using hydrogen peroxide	Sarah Peak	Folami Ladipo	University of Kentucky
4:00-4:20	The Formation of Alpha-Hydroxy Acid Containing Metal Complexes	Mark Chrisman	Michael Baldwin	University of Cincinnati
4:20-4:40	DNA Interactions of Bimetallic Ruthenium Complexes Containing Tridentate Ligands with Extended π -Systems	Rachel Whitman	Claudia Turro	The Ohio State University
4:40-4:45	Closing Remarks			