Ohio Inorganic Weekend 2025 – Poster Presentation Schedule

Date: Friday, November 7, 2025

Location: Integrated Sciences Building, Hallway, Kent State University

Registration: Opens at 5:00 PM

Notes: Pizza, water, and soft drinks will be served throughout the poster event. Poster judging will occur during both sessions, and Best Poster Award recipients will be announced at the Saturday award ceremony.

Session 1 (6:00 – 7:30 PM)

(Presenters please set up your posters by 5:50 PM.)

Poster #	Presenter	Institution	Title
1	Shirin Akter	Kent State University	Near-Infrared (NIR)-Controlled Activation of G-Quadruplex Binders via a Platinum(IV) Photo-uncaging Scaffold
2	Radha Kondapalli	University of Toledo	Pd-catalyzed o-arylation of protected and unprotected amino alcohol
3	Milan Pandey	Kent State University	Investigating the Excited State Dynamics of Pt(IV) Complexes
4	Daniel Castella	University of Michigan	Utilizing Asymmetric Ligand Design to Model Reactive Intermediates of Fungal Nitric Oxide Reductase with bis-Picket Fence Porphyrins
5	Kelli Hummel	Wayne State University	Cytochrome P450 Induction through the Efficient Photoinduced Release of a Pyridine-Substituted Agent from Ru(II)

6	Emma Kelley	Kenyon College and Ohio State University	The Synthesis and Characterization of a (PNNP)Cr Complex.
7	Preston Myers	Ohio State University	Mechanistic Crossover of Proton-Coupled Electron Transfer at Tricopper Clusters
8	Lucinda Marie Busselle	Bowling Green State University	Iron coordination to enhance properties of corn-starch-based bioplastic materials
9	Chukwu Felix Onyemaechi	Wayne State University	Rhodium-Catalyzed Z-selective Synthesis of Trisubstituted Olefin bearing Tertiary Allylic Amine
10	Emma DeLuca	Kent State University	Synthesis and Characterization of a Series of Magnesium and Zinc Pre-Catalysts for the Ring Opening Polymerization of Cyclic Esters
11	Elle Lewandowski	Wayne State University	Solution-Phase Electrochemical Characterization of Acyclic Complexes of Divalent Europium
12	Rohan Maji	Ohio State University	Tuning olefin isomerization with a heterobimetallic Zr-Co scaffold: remote ligand effects on reactivity and selectivity.
13	Md Sydul Islam	Wayne State University	Controlling the MRI-Relevant Kinetic and Electrochemical Properties of EuII-Containing Macrocyclic Complexes Using Peripheral Charges
14	Elliot Furr	Wayne State University	Protein Based Lanthanide Capture from Coal Fly Ash
15	Margaret Ball	Ohio State University	C-H [18F]Trifluoromethylation of (Hetero)arenes via a Formal

			Copper(III) [18F]-Trifluoromethyl Complex
16	Summer Wu	University of Michigan	Redox-Tuning of Flavodiiron Nitric Oxide Reductase (FNOR) Model Complexes Using an Asymmetric Ligand Scaffold
17	Alexander Arnette	Penn State University	Biologically Inspired Methods of Oxygen Atom Transfer
18	Ashleigh Sherman	Ohio State University	Investigation of Copper-Zinc Pre-Transmetalation Intermediates
19	Shannon Leahy	Pennsylvania State University	Supramolecular Separation of Metal Oxides
20	Syeda Rahimon Naher	Bowling Green State University	Photoresponsive and Biodegradable Cu(II) Biopolymer Films
21	Anthony Kornokovich	Case Western Reserve University	Dealkylation as a Strategy to Unconventional Lithium Salts from ortho-Phenyl-Phosphinoborane Oxides
22	Nisha Rao	Pennsylvania State University	Heterolytic Activation of H_2 at the Lewis Acidic Extreme
23	Caden Frost	Kalamazoo College	Coordination Chemistry of Dimeric Hybrids of Polyoxotungstates Assembled with Bisphosphonyl Groups
24	Nneka Damola Ajayi	University of Akron	Synthesis and Characterization of a Novel Open Ring Macrocycle Incorporating Pyridine
25	Adwitiya SIngh	Ohio State University	Side-on N2 Binding and Reduction by a Heterotetrametallic Zr2Co2 Cluster

26	Marek Vavrovic	University of Michigan	Valorization of alcohols via decarbonylative radical C-C bond coupling
27	Karli Sipps	Penn State University	Thermodynamic Benefits of Shapeshifting Ligands
28	Rahul Giri	Ohio State University	Solid-phase Electrochemical Synthesis Enables General Alkene Functionalization
29	Kerri Julevich	Ohio State University	Photophysical Properties of Ruthenium(II) Polypyridyl Complexes with Homoleptic and Heteroleptic Tridentate Ligands
30	Arup Sarkar	University of Michigan	Development of TACN Derivatives and Respective Copper Complexes for Electrocatalytic Nitrite Reduction
31	Maryam Yousif	University of Findlay	Synthesis and DFT Study of Tetrakis (5-X-picolinato)tungsten(IV) Complexes with Electron-Donating and Electron-Withdrawing Substituents
32	Morgan Deal	Wayne State University	Multimodal Contrast Agent Synthesis and Oxidation Slowing toward Hypoxia Imaging
33	Lauren Sprow	University of Michigan	Catalytic Seleniferous Oxyanion Reduction Enabled by Non-Heme Iron Complexes
34	Rei Fejzulla	Wayne State University	Low-Valent Lanthanide Precursors for Atomic Layer Deposition
35	Lauren Dunsmore	Marshall University	Self-Assembled Dendritic Catalysts – New Biphasic

			Approach for Homogeneous Catalyst Recycling
36	Chashitha Padukka	Wayne State University	Eu(II)- containing dendrimer conjugates with potential application as hypoxia-responsive contrast agents for magnetic resonance imaging
37	Lindsay Israil	Wayne State University	Supramolecular approach toward enhancing the oxidative stability of divalent europium to study luminescence

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Session 2 (7:30 – 9:00 PM)

(Please rotate posters by 7:30 PM to prepare for the second session.)

Poster #	Presenter	Institution	Title
1	Kirsty Mary Mamattah	University of Akron	A Ring Open Porphyrinoid with Helical Chirality
2	Towhidi Illius Jeaydi	University of Akron	Solvent-based reactivity of rhenium carbonyl and ethylene diamines: Activation a bond by making it stronger
3	Joan Bore	University of Akron	Synthesis and characterization of a bis(urea) isoindoline ligand and its metal complexes
4	Niyati Patel	Ohio State University	Synthesis and Reactivity of Heterobimetallic FeIII/MnIII Complex
5	Brandon Landis	Ohio State University	High Spin Iron and Heterospin Copper/Nickel-Nitroxide Complexes for Next

			Generation EPRI Spin Probes
6	Thomas Judd	Bowling Green State University	Growth Dynamics of Lead Selenium Helical Nanowires
7	RUWANDHI VIRAJITHA JAYASUNDARA	Wayne State University	Similar but not Identical: Synthesis and Coordination Chemistry of New Chelating C2- and Cs-symmetric Bis(Alkoxide) Ligands on Terphenyl Platform
8	Julia Feresin	Ohio State University	Heterobimetallic Multi-site Concerted Proton Electron Transfer (MS-CPET) Promotes Coordination-induced Bond Weakening
9	Clara Hoffert	University of Akron	New Vanadium(V) Complexes from Isoindoline-Based Ligands
10	Allison Jessup	Ohio State University	Counterions Effects on Coherence in Vanadium(IV)-Based Molecular Qubits
11	Man Kshetri	Kent State University	Mechanistic Study of Photoreduction of Platinum(IV)-Carbamate Complexes
12	Guanyu Chen	Kent State University	Potentiation of naphthoquinone-derivative by gallium to become broad-spectrum antimicrobial and overcome resistance
13	Levi G. Wolff	Ohio State University	Immobilization of Monodentate Phosphine Ligands for Single-Site Transition Metal Catalysis within MFU-4l
14	Chris Nieto	Ohio State University	Development of FeII and RhI catalysts for alkene hydroboration using π-

			acceptor-containing pincer ligands
15	Srikanth Dasari	Ohio State University	Clock-like Zero-Field Spin Dynamics in Ni(II) Complex Spin Qubit
16	Race Schwartz	Ohio State University	Axial Ligand Effects on Nuclear Spin Relaxation Dynamics in Co(III) Complexes.
17	Nicholas Cedron	Ohio State University	Catalytic C–H Borylation of Arenes With (PPRP)Co complexes
18	Keely Weber	University of Michigan	Synthetic optimization of elusive porphyrin ligand scaffolds for modelling biologically relevant reactive heme intermediates
19	Peyton McCarley	Wayne State University	Synthesis and Characterization of a Complex of Divalent Ytterbium Bromide as a Convenient Starting Material
20	Benjamin Farris	University of Michigan	Upgrading Ethanol to 1°/2° Alcohols with Ru-Pincer Catalysts
21	Jiehye Shin	Ohio State University	Synthesis and characterization of new zirconium metal-organic cages (MOCs) with PPh2NBz2 linkers (Ph = phenyl, Bz = benzoic acid or benzoate)
22	Megan Ford	Ohio State University	Probing BDFE Trends: Varying pi-acceptor ability of L-type ligands at the redox-active site of a Zr/Co heterobimetallic

23	Aseni Sahasri Pathiraja Pathiraja Mudiyanselage	Wayne State University	Formation and Reactivity of Transition Metal Carbene Complexes in Bis(alkoxide) Ligand Environment
24	Sierra Rupp	Ohio State University	Utilizing Metal-Metal Cooperativity within a Zr/Co Heterobimetallic for White Phosphorus (P4) Activation
25	Gregory Jimison	Marshall University	Degradative Functionalization and Transformations of Polyfluoroalkyl Substances
26	Christian Andre	University of Michigan	Iron bis-NHC Complexes Bearing Sulfur Ligands for Small Molecule Activation
27	Okten Ungor	Ohio State University	Harnessing Molecular Spins for Quantum Sensing
28	Sona Shaju Rose	Ohio State University	Influence of defects and doping on transverse thermoelectric properties in single crystal Re4Si7
29	Sabin Aryal	Bowling Green State University	Bright Colloidal PbS Nanoplatelets with Lead Sulfobromide Shells.
30	Sravya	University of Akron	Structure and function studies of Human Cytochrome P450 46A1
31	Anuradha Jayathissa	Wayne State University	Tuning Interface Chemistry of Cadmium Sulfide Quantum Dot Aerogels for Photocatalytic Water Reduction
32	Fathima Innasa Mohamed Saheed	Wayne State University	Oxidative Assembly of CdS Ultra Small Quantum Dots and Their Electronic and Structural Properties

33	Writhabrata Sarkar	University of Michigan	Catalytic Nitrate Reduction Enabled by Non-heme Iron Complex with Secondary Sphere Hydrogen Bonds
34	Fatima Abla	Wayne State University	Catalytic Activity of Transition Metal Phosphide Nanomaterials in the Oxygen Reduction Reaction for Fuel Cell Devices
35	Erika Brown	University of Michigan	Influence of Oxidation State and Boron Topology on Anion Binding in Ferrocene-Derived Lewis Acid Sensors
36	Felipe Alves Garcia	University of Michigan	Synthesis and Characterization of a Mononuclear Iron Complex with Relevance for the Secondary Coordination Sphere (SCS) H-Bonding in Flavodiiron Nitric Oxide Reductases
37	Glorimar Miranda-Mendez	University of Michigan	Design and Analysis of Novel Copper Complexes for the Reduction of Nitrite to Nitric Oxide (NO)