

2021 Great Lakes Regional Meeting

Technical Session Presenters

Sorted by Session Date, Start Time

| AM or PM | Session Date | Session Type | Session Title | Speaker _ Start Time | Speaker _ End Time | Speaker Abstract Title | Speaker_Fi rst Name | Speaker_Las t Name | Speaker_Institution |
|----------|--------------|--------------------------|---|----------------------|--------------------|--|---------------------|--------------------|--|
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:05 AM | 8:30 AM | Intrusive advising and research mentorship for academic improvement in underrepresented minority student groups in STEM | Cory | DiCarlo | College of DuPage |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:30 AM | 8:55 AM | Culturally responsive teaching and learning in undergraduate chemistry | Ami | Johanson | Aurora University |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:30 AM | 8:55 AM | Culturally responsive teaching and learning in undergraduate chemistry | Kyle | McElhoney | Aurora University |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:30 AM | 8:55 AM | Culturally responsive teaching and learning in undergraduate chemistry | Chetna | Patel | Aurora University |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:55 AM | 9:20 AM | Institutional environment and departmental values: a case study at Kenyon College | Simon | Garcia | Kenyon College |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:55 AM | 9:20 AM | Institutional environment and departmental values: a case study at Kenyon College | Yutan | Getzler | Kenyon College |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:55 AM | 9:20 AM | Institutional environment and departmental values: a case study at Kenyon College | Catherine | Mauck | Kenyon College |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 8:55 AM | 9:20 AM | Institutional environment and departmental values: a case study at Kenyon College | Kerry | Rouhier | Kenyon College |
| AM | 6-Jun | Technical Session - Oral | Elevating the diversity and inclusion in chemistry: Underrepresented Groups | 9:20 AM | 9:45 AM | Working toward wellness, equity, and liberation in the NSF Center for Sustainable Nanotechnology | Miriam | Krause | NSF Center for Sustainable Nanotechnology |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 8:10 AM | 8:25 AM | Effect of selective atom substitution in guanine on the electronic relaxation mechanism | Sarah | Krul | Case Western Reserve University |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 8:25 AM | 8:40 AM | Enhancement of the Two-photon Absorption Cross Section in a Series of Nitrodibenzofuran Based Photocages | Michael | Hodny | University of Minnesota Twin Cities |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 8:40 AM | 8:55 AM | Determining the Two-Photon Absorption Coefficient of GaAs and MOs₂ Using Time-Resolved Terahertz Spectroscopy | Cathleen | Saraza | Wayne State University Department of Chemistry |

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| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 8:55 AM | 9:10 AM | Determination of the IR Refractive Indices Through Modeled Sum Frequency Generation | Thorn | Dramstad | University of Minnesota Twin Cities |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 9:10 AM | 9:25 AM | Polarized States in Metalloporphyrins using Cavity Polariton Formation | Aleksandr | Avramenko | Wayne State University |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 9:25 AM | 9:40 AM | On the impact of amino and carbonyl functionalization on the photostability of canonical RNA and DNA pyrimidine nucleobases | Sean | Hoehn | Case Western Reserve University |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 9:40 AM | 9:55 AM | Structure and Nucleation of Water and Ice next to Charged Polymer Brushes | Nathaniel | Orndorf | University of Akron |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 9:55 AM | 10:10 AM | ACCEPTOR DYADS FOR LIGHT HARVESTING APPLICATIONS | Young Ju | Yun | Illinois Institute of Technology |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 10:20 AM | 10:25 AM | Approximately Linear Spectroscopies | | | |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 10:25 AM | 10:50 AM | based water oxidation catalysts by incorporation in UiO-67 MOF | Alireza | Karbaksh Ravari | Purdue University |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 10:50 AM | 11:05 AM | Resonance Raman characterization of the cyano adducts of human heme oxygenase | Tapiwa | Chiura | Saint Louis University |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 11:05 AM | 11:20 AM | Interfacial Electric Fields and Fatty Alcohol and Acid Hydration | Maria | Vazquez de Vazquez | The Ohio State University |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 11:20 AM | 11:35 AM | Probing Macroscopic Properties of Ferroelectric Materials Using the Microscopic Description of Vibrational Anharmonicity | Sachithra | Wanasinghe | Wayne State University |
| AM | 6-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy | 11:35 AM | 12:00 PM | The Detection of Biomarkers Using SERS | Nicholas | Schlotter | Hamline University |
| AM | 6-Jun | Technical Session - Oral | Materials Chemistry | 9:20 AM | 9:40 AM | Hydroxyapatite: Structure Modification with Bisphosphonates to Increase Substrate Affinities | Rebecca | Litvak | Hunter College |
| AM | 6-Jun | Technical Session - Oral | Materials Chemistry | 9:40 AM | 10:00 AM | Exploring the Structural and Optical Properties of Vacancy Ordered Quadruple Perovskites | Noah | Holzappel | The Ohio State University |
| AM | 6-Jun | Technical Session - Oral | Materials Chemistry | 10:00 AM | 10:20 AM | Topochemical deintercalation of Li from layered LiNiB: towards 2D MBene | GOURAB | BHASKAR | Iowa State University |
| AM | 6-Jun | Technical Session - Oral | Materials Chemistry | 10:35 AM | 10:55 AM | Enabling Low Temperature K ⁺ Single Cation Ionic Liquids Through an Unusual Low Melting Asymmetric Sulfonamide Salt | Luke | Schkeryantz | The Ohio State University |
| AM | 6-Jun | Technical Session - Oral | Materials Chemistry | 10:55 AM | 11:15 AM | Nitrogen Deficient Graphitic Carbon Nitride as a Host Cathode Material for Metal-Sulfur Batteries - Withdrawn | Adebola | Ogundare | Central Michigan University |
| AM | 6-Jun | Technical Session - Oral | Materials Chemistry | 11:15 AM | 11:35 AM | Deep eutectic solvent assisted synthesis of functional materials | Adedoyin | Adeyemi | Iowa State University |
| AM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs | 9:20 AM | 9:35 AM | New expedited synthetic pathway to a multitude of novel Oxazolidinone antibacterial agents | Connor | Schmidt | University of St Thomas |

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| AM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs | 9:35 AM | 9:50 AM | Antimalarial Drug: 1-(5-(3,4-dichlorophenyl)furan-2-yl)-N-(piperidin-4-ylmethyl)methanamine | Chris | Hoang | Lawrence University |
| AM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs | 9:50 AM | 10:05 AM | Non-Precious Metal-Based MOFs As Catalysts For Decarboxylative Coupling Reactions | Courtnee | Aristil | William Paterson University of New Jersey |
| AM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs | 10:05 AM | 10:25 AM | FeCl ₃ -Mediated Formal Patern ² -B ^{1/4} chi Reaction | Sophi | Todtz | Loyola University Chicago |
| AM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs | 10:35 AM | 10:55 AM | Silyl-chlorides as additives for enhancing ring-closing FeCl ₃ catalyzed carbonyl olefin metathesis | Cory | Schneider | Loyola University Chicago |
| AM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs | 10:55 AM | 11:15 AM | Thiophene Fused Contorted Aromatics via a Palladium catalyzed Cyclopentannulation and Scholl Cyclodehydrogenation strategy | Waseem | Hussain | Southern Illinois University Carbondale |
| AM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs | 11:15 AM | 11:35 AM | complexation compounds relevant to Alzheimer's Disease | Erik | Sanchez | Lewis University |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:05 AM | 10:20 AM | Growth of Lab Safety Teams at the University of Minnesota | Spencer | Reisbick | Brookhaven National Laboratory |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:20 AM | 10:35 AM | Learning experience reports improve academic research safety | Xiayu | Peng | University of Minnesota Twin Cities |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:20 AM | 10:35 AM | Learning experience reports improve academic research safety | Claire | Dingwell | University of Minnesota Twin Cities |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:40 AM | 10:55 AM | Recent Advancements in Northwestern University's Research Safety Student Initiative | Laura | Bancroft | Northwestern University |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:40 AM | 10:55 AM | Recent Advancements in Northwestern University's Research Safety Student Initiative | Megan | Wasson | Northwestern University |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:40 AM | 10:55 AM | Recent Advancements in Northwestern University's Research Safety Student Initiative | Allison | Devitt | Northwestern University |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:40 AM | 10:55 AM | Recent Advancements in Northwestern University's Research Safety Student Initiative | Anna | Bay | Northwestern University |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 10:55 AM | 11:20 AM | Supporting Student-Led Safety Initiatives What does it take to help others lead? | Michael | Blayney | Northwestern University |
| AM | 6-Jun | Technical Session - Flash Talk | Chemical Safety - Lab Safety Teams | 11:25 AM | 11:40 AM | Evaluating the success of a workshop focused on student researcher-led academic laboratory safety | Jessica | Martin | University of Connecticut |

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| AM | 6-Jun | Technical Session - Flash Talk | Elevating the diversity and inclusion in chemistry: Women | 10:05 AM | 10:30 AM | Toward gender equity in the sciences: IUPAC and the ISC gender gap project | Mark | Cesa | INEOS USA LLC (Retired) |
| AM | 6-Jun | Technical Session - Flash Talk | Elevating the diversity and inclusion in chemistry: Women | 10:30 AM | 10:55 AM | Identifying Opportunities to Improve Gender Diversity Among Chemistry Faculty | Mindy | Levine | Ariel University |
| AM | 6-Jun | Technical Session - Flash Talk | Elevating the diversity and inclusion in chemistry: Women | 10:55 AM | 11:15 AM | Improving recruitment and retention of women in science | Beza | Tuga | University of Minnesota Twin Cities |
| AM | 6-Jun | Technical Session - Flash Talk | Elevating the diversity and inclusion in chemistry: Women | 11:15 AM | 11:30 AM | Radium, the Women's Element: A Historical Analysis of Radium and its Disproportional Effect on Women During the Radium Craze | Nicole | Yost | Alma College |
| AM | 6-Jun | Technical Session - Flash Talk | Elevating the diversity and inclusion in chemistry: Women | 11:30 AM | 11:55 AM | Female, Russian, Jewish, successful. Irma Goldberg (1871-1939+) and her eponymous reaction. | David | Lewis | University of Wisconsin-Eau Claire |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 1:30 PM | 1:37 PM | Dual Inhibition of Protein Tyrosine Phosphatase-1 β and Lipoxygenase by Terpenoids | Huguette | Clemente | Saint Xavier University |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 1:30 PM | 1:37 PM | Dual Inhibition of Protein Tyrosine Phosphatase-1 β and Lipoxygenase by Terpenoids | Max | Garcia | Saint Xavier University |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 1:30 PM | 1:37 PM | Dual Inhibition of Protein Tyrosine Phosphatase-1 β and Lipoxygenase by Terpenoids | Adrian | Delgadillo-Silva | Saint Xavier University |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 1:37 PM | 1:44 PM | Mediation of the uncoupled eNOS pathway following oxidative stress using tetrahydrobiopterin and nitric oxide donor drugs | Brianna | Munnich | Olivet Nazarene University |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 1:44 PM | 1:51 PM | Identification of Novel Uric Acid Gluconucleosides in <i>Caenorhabditis elegans</i> | Brian | Curtis | Cornell University |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 1:51 PM | 1:58 PM | Identification of glutathionylated cysteines regulating cell migration | Dhanushika | Kukulage | Wayne State University College of Liberal Arts and Sciences |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 2:08 PM | 2:15 PM | LXR and INSIG Act as Differentiators in the Regulation of the Gene Expression of G6PDH and FAS Under Insulin Resistant Conditions | Jaafar | Hachem | Western Michigan University |
| PM | 6-Jun | Technical Session - Oral | Biologically Related Molecules and Processes | 2:15 PM | 2:22 PM | solubility of recombinant influenza Polymerase | Quinn | Murray | University of Dayton |
| PM | 6-Jun | Technical Session - Oral | Chemical Safety - Leadership and Safety Culture | 1:35 PM | 1:55 PM | Our Chemical Safety Journey | Kenneth | Fivizzani | Division of Chemical Health and Safety |
| PM | 6-Jun | Technical Session - Oral | Chemical Safety - Leadership and Safety Culture | 2:00 PM | 2:20 PM | improving the safety culture at Metropolitan State University | Elizabeth | Hinds | Metropolitan State University |

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| PM | 6-Jun | Technical Session - Oral | Chemical Safety - Leadership and Safety Culture | 2:25 PM | 2:45 PM | Safety Leadership: Critical Skills for Improving Safety Performance | Carolyn | Sampson | Minnesota State College Southeast Technical - Red Wing Campus |
| PM | 6-Jun | Technical Session - Oral | Chemical Safety - Leadership and Safety Culture | 2:50 PM | 3:10 PM | Student-Led Climate Assessment Promotes a Healthier Graduate School Environment | Madeleine | Beasley | University of Wisconsin-Madison |
| PM | 6-Jun | Technical Session - Oral | Elevating the Importance of Diversity and Inclusion in Chemistry: African American Chemists and flash talks | 1:35 PM | 2:00 PM | Barriers in chemistry, part I: African-American chemists | David | Lewis | UW-Eau Claire |
| PM | 6-Jun | Technical Session - Oral | Elevating the Importance of Diversity and Inclusion in Chemistry: African American Chemists and flash talks | 2:00 PM | 2:25 PM | Barriers in chemistry, part II: Gender and religion as hurdles to advancement | David | Lewis | University of Wisconsin-Eau Claire |
| PM | 6-Jun | Technical Session - Oral | Elevating the Importance of Diversity and Inclusion in Chemistry: African American Chemists and flash talks | 2:25 PM | 2:50 PM | Highlighting the voices of chemists from underrepresented groups in sophomore organic chemistry | John | Friesen | Dominican University |
| PM | 6-Jun | Technical Session - Oral | Elevating the Importance of Diversity and Inclusion in Chemistry: African American Chemists and flash talks | 2:50 PM | 2:57 PM | Diversifying Clean Water: an Examination of Drinking Water Quality and Social Disparities in Michigan | Tyra | Blair | Tennessee State University |
| PM | 6-Jun | Technical Session - Oral | Elevating the Importance of Diversity and Inclusion in Chemistry: African American Chemists and flash talks | 2:57 PM | 3:04 PM | Chem Club Diversity in Diverse Outreach Demos | Lawrence | Kolopajlo | Eastern Michigan University |
| PM | 6-Jun | Technical Session - Oral | Elevating the Importance of Diversity and Inclusion in Chemistry: African American Chemists and flash talks | 3:04 PM | 3:11 PM | Julia (Yuliya Vsevolodovna) Lermontova (1847-1919) - Withdrawn | Megan | Gawlitta | University of Wisconsin-Eau Claire |
| PM | 6-Jun | Technical Session - Oral | Materials Chemistry | 1:35 PM | 2:05 PM | High Field Dielectric Properties of Clay filler - Silicone polymer matrix composites. | Dipankar | Ghosh | 3M Company |
| PM | 6-Jun | Technical Session - Oral | Materials Chemistry | 2:05 PM | 2:35 PM | Multifunctional Silica Sorbent Materials: For trace collection of nitrate and phosphate anions | Kara | Nell | University of Minnesota Morris |
| PM | 6-Jun | Technical Session - Oral | Materials Chemistry | 2:35 PM | 3:00 PM | Dynamics of Triplet-Triplet Annihilation Upconversion in Sensitizer and Acceptor Dyes Attached to the Metal Oxide Nanocrystal | Deepak | Badgurjar | University of Minnesota Twin Cities |
| PM | 6-Jun | Technical Session - Oral | Materials Chemistry | 3:10 PM | 3:40 PM | Understanding the charge transfer mechanism in protic ionic liquids | Christopher | Arntsen | Youngstown State University |
| PM | 6-Jun | Technical Session - Oral | Materials Chemistry | 3:40 PM | 4:10 PM | The atomistic simulation of absorbed water on the thermomechanical properties of crosslinked epoxy networks using ReaxFF | anas | karuth | North Dakota State University |
| PM | 6-Jun | Technical Session - Oral | Materials Chemistry | 4:20 PM | 5:10 PM | Molybdenum carbide catalysts for biomass upgrading CO_2 from bulk to nanoscale | Daniel | Ruddy | National Renewable Energy Laboratory |
| PM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs (II) | 1:35 PM | 2:05 PM | as Optical Materials with pH Switching Capabilities - Withdrawn | Bart | Dahl | UWisc Eau Claire - Chemistry |
| PM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs (II) | 2:05 PM | 3:10 PM | Reimagining Formative Assessment of Organic Chemistry Mechanisms - Withdrawn | Sarah | Wegwerth | Alchemie Solutions, Inc |

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| PM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs (II) | 2:10 PM | 2:40 PM | Stimuli-responsive polymer dispersants and viscosifiers | Elizabeth | Glogowski | University of Wisconsin-Eau Claire |
| PM | 6-Jun | Technical Session - Oral | Organic Chemistry at PUIs (II) | 2:40 PM | 3:10 PM | Connecting bench chemistry to real-world problems for student researchers | Sarah | Zingales | University of Saint Joseph |
| PM | 6-Jun | Technical Session - Flash Talk | General Topics in Physical Chemistry and Spectroscopy | 2:05 PM | 2:15 PM | Comparison of mechanical and photodynamic behavior of crystalline Schiff bases | Noha | Ahmed | University of Cincinnati |
| PM | 6-Jun | Technical Session - Flash Talk | General Topics in Physical Chemistry and Spectroscopy | 2:15 PM | 2:25 PM | Reactivity of Vinyl Hydroperoxides and new Rearrangement Pathways in Isoprene Ozonolysis | Albert | Liu | Macalester College |
| PM | 6-Jun | Technical Session - Flash Talk | General Topics in Physical Chemistry and Spectroscopy | 2:25 PM | 2:35 PM | Photodissociation of the N ₂ -NO complex between 225.8 and 224.0 nm | David | Szpunar | University of Wisconsin-Stevens Point |
| PM | 6-Jun | Technical Session - Flash Talk | General Topics in Physical Chemistry and Spectroscopy | 2:35 PM | 2:45 PM | Navigating the Aromaticity, Stability, and Photophysics of Novel Quinoidal Acenes through Annulative lateral pi extension and Quinoidization | Guang | Yang | Illinois Institute of Technology |
| PM | 6-Jun | Technical Session - Flash Talk | General Topics in Physical Chemistry and Spectroscopy | 2:45 PM | 2:55 PM | Synthesis and Photophysical Characterization of <i>bis</i>-iodo-dipyrrolonaphthyridine-dione: a Novel Photodynamic Therapy Agent | Jayla | Morgan | Illinois Institute of Technology |
| PM | 6-Jun | Technical Session - Flash Talk | Elevating the Importance of Diversity and Inclusion in Chemistry: Chemists with disabilities and non-Eurocentric approaches | 3:35 PM | 4:00 PM | Kasi: An inclusive learning system for chemistry using multi-sensory augmented reality and computer vision - Withdrawn | Julia | Winter | Alchemie Solutions, Inc |
| PM | 6-Jun | Technical Session - Flash Talk | Elevating the Importance of Diversity and Inclusion in Chemistry: Chemists with disabilities and non-Eurocentric approaches | 4:00 PM | 4:25 PM | Disability is not disqualification: Nikolai Matveevich Kizhner and the Wolff-Kishner reduction. | David | Lewis | University of Wisconsin-Eau Claire |
| PM | 6-Jun | Technical Session - Flash Talk | Elevating the Importance of Diversity and Inclusion in Chemistry: Chemists with disabilities and non-Eurocentric approaches | 4:25 PM | 4:45 PM | Utilizing Design-Based Implementation Research as an Iterative Approach to Developing a Culturally Responsive Unit | Jeffrey | Spencer | University of Michigan |
| PM | 6-Jun | Technical Session - Flash Talk | Elevating the Importance of Diversity and Inclusion in Chemistry: Chemists with disabilities and non-Eurocentric approaches | 4:45 PM | 5:05 PM | The Chemistry of Indigenuos Peoples | Marcos Aurelio | Gomes da Silva | Federal university of juÃ-z de fora |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 8:10 AM | 8:35 AM | CASPT2 molecular geometries and electronic structure of dichromium complexes | Bess | Vlaisavljevic h | University of South Dakota |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 8:35 AM | 9:00 AM | Heavy Ligand Atom Induced Large Magnetic Anisotropy in Mn(II) Complexes | Sabyasachi | Roy Chowdhury | University of South Dakota |

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| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 9:00 AM | 9:15 AM | Electronic Structure of Actinide Oxide Nanoclusters | S M GULAM | RABBANI | University of South Dakota |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 9:15 AM | 9:30 AM | Qualitative diagnostic index for pseudo Jan-Teller Distortion Based on Natural Bond Orbital Theory: Case Study for Silicene | Rameswar | Bhattacharjee | University of South Dakota |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 9:40 AM | 9:45 AM | General Physical Chemistry | | | |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 9:45 AM | 10:10 AM | Electrochemical Characterization of Redox-active Deep Eutectic Solvents for Energy Storage | Raziyeh | Ghahremani | Case Western Reserve University |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 10:10 AM | 10:25 AM | and <i>n</i> -butane in supersonic nozzle expansions | Jiaqi | Luo | The Ohio State University |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 10:25 AM | 10:40 AM | Investigation of the Liquid Crystalline Properties of Sunset Yellow Water Solutions with the addition of Gold Nanoparticles | Christina | Robb | Kent State University |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 10:40 AM | 10:55 AM | Diamagnetic Protein using Proton Detected Solid-State NMR Spectroscopy facilitated by Co ²⁺ Binding Tag | Justin | Thomas | The Ohio State University |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 10:55 AM | 11:10 AM | Spreading and oscillation of single droplet impacting on a solid substrate | Menghan | Zhao | Michigan Technological University |
| AM | 7-Jun | Technical Session - Oral | General Topics in Physical Chemistry and Spectroscopy (II) | 11:10 AM | 11:25 AM | supersonic nozzle: Effects of chain length and structure | Tong | Sun | The Ohio State University |
| AM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes (I) | 8:05 AM | 8:30 AM | Rewiring Redox Signal Transduction Pathways in <i>M. Tuberculosis</i> | Ambika | Bhagi-Damodaran | Regents of the University of Minnesota |
| AM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes (I) | 8:30 AM | 8:55 AM | Steady-state kinetic analysis and binding studies of flavin reductase AbeF: A smaller component of flavin-dependent halogenase system | Rippa | Sehgal | The University of Toledo |
| AM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes (I) | 8:55 AM | 9:20 AM | Development of an artificial heme-based enzyme | Kathryn | Splan | Macalester College |
| AM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes (I) | 9:45 AM | 10:10 AM | Discovering natural and synthetic ligands for the PfGCN5 bromodomain | Scott | Bur | Gustavus Adolphus College |
| AM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes (I) | 10:10 AM | 10:35 AM | Regulation of Mitochondrial DNA Transcription by Protein Post-translational Modifications | Kristin | Dittenhafer-Reed | Hope College |
| AM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes (I) | 10:35 AM | 11:00 AM | Live cell measurements of membrane protein interactions that regulate cell signaling and disease | Adam | Smith | University of Akron |
| AM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes (I) | 11:10 AM | 11:55 AM | Writing the Rules for Targeting Dynamic Transcriptional Coactivators with Small Molecules | Anna | Mapp | University of Michigan |
| AM | 7-Jun | Technical Session - Oral | Obtainable Sustainability in Industrial Applications | 8:20 AM | 9:05 AM | Sustainability in Industrial Applications | Gayle | Schueller | 3M |

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| AM | 7-Jun | Technical Session - Oral | Obtainable Sustainability in Industrial Applications | 9:10 AM | 9:35 AM | Sustainably sourced and synthesized biomass microbeads to replace plastics in consumer products | Michelle | Calabrese | University of Minnesota Twin Cities |
| AM | 7-Jun | Technical Session - Oral | Obtainable Sustainability in Industrial Applications | 9:35 AM | 10:00 AM | Chemical Strategies for Perfect Sustainable Polymers | Paul | Dauenhauer | University of Minnesota Twin Cities |
| AM | 7-Jun | Technical Session - Oral | Obtainable Sustainability in Industrial Applications | 10:05 AM | 10:30 AM | Post Consumer Recycled Polymer Quality Challenges | Craig | Gorin | Dow |
| AM | 7-Jun | Technical Session - Oral | Obtainable Sustainability in Industrial Applications | 10:30 AM | 10:55 AM | Improving the mechanical properties of aliphatic polyester thermoplastic elastomers through star architectures | Stephanie | Liffland | University of Minnesota Twin Cities |
| AM | 7-Jun | Technical Session - Oral | Obtainable Sustainability in Industrial Applications | 11:05 AM | 11:30 AM | Nano-layered, Nano-structured, and Micro-structured Polymeric Films for Energy Efficiency | Timothy | Hebrink | 3M Co |
| AM | 7-Jun | Technical Session - Oral | Obtainable Sustainability in Industrial Applications | 11:30 AM | 11:55 AM | Designing Coffee Pods for Performance and Compostability with Ingeo Biopolymer | Joshua | Weed | Natureworks Llc |
| AM | 7-Jun | Technical Session - Oral | Nanomaterials I | 8:50 AM | 9:40 AM | Sustainability: Opportunities for Next-generation Chemists | Robert | Hamers | Univ of Wisconsin |
| AM | 7-Jun | Technical Session - Oral | Nanomaterials I | 9:40 AM | 10:00 AM | for CO2 Reduction and the Oxygen Evolution Reaction | Hanqing | Pan | University of Nevada Reno |
| AM | 7-Jun | Technical Session - Oral | Nanomaterials I | 10:05 AM | 10:35 AM | Adsorption and reaction of SO ₂ and H ₂ S on graphene/ruthenium(0001) - an ultra-high vacuum surface science study | Uwe | Burghaus | N Dakota State University |
| AM | 7-Jun | Technical Session - Oral | Nanomaterials I | 10:35 AM | 10:55 AM | One-pot Synthesis of Ruthenium Nanocatalyst Using Reduced Graphene Oxide as Matrix for Electrochemical Synthesis of Ammonia | Wen | Sun | University of North Dakota |
| AM | 7-Jun | Technical Session - Oral | Nanomaterials I | 11:00 AM | 11:20 AM | graphene quantum dots (GQDs) using biomass-derived materials for <i>in vitro</i> cell imaging and metal ion detection | Sarah | Reagen | University of North Dakota |
| AM | 7-Jun | Technical Session - Oral | Nanomaterials I | 11:20 AM | 11:40 AM | Fe ³⁺ - doped Graphene Quantum Dots for Ultrasensitive Detection of H ₂ O ₂ and Glucose | Yingfen | Wu | University of North Dakota |
| AM | 7-Jun | Technical Session - Oral | Chemical Business: Resources and Best Practices | 9:05 AM | 9:30 AM | ACS Division of Small Chemical Businesses (SCHB) member benefits | Joseph | Sabol | ACS SCHB |
| AM | 7-Jun | Technical Session - Oral | Chemical Business: Resources and Best Practices | 9:30 AM | 9:55 AM | Five mistakes small businesses make with their intellectual property (and how to avoid them all!) | Randy | Micheletti | Incubate IP |
| AM | 7-Jun | Technical Session - Oral | Chemical Business: Resources and Best Practices | 9:55 AM | 10:20 AM | Covid-19 nearly killed our business: The survival story of Laboratory Equipment Services through the pandemic | Nicolas | Gerst | Laboratory Equipment Services, LLC |
| AM | 7-Jun | Technical Session - Oral | Chemical Business: Resources and Best Practices | 10:20 AM | 10:45 AM | Accessibility and inclusivity as a business case for educational technology - Withdrawn | Julia | Winter | Alchemie Solutions, Inc |

| AM or PM | Session Date | Session Type | Session Title | Speaker _ Start Time | Speaker _ End Time | Speaker Abstract Title | Speaker_Fi rst Name | Speaker_Las t Name | Speaker_Institution |
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| AM | 7-Jun | Technical Session - Oral | Chemical Business: Resources and Best Practices | 10:45 AM | 11:10 AM | Commercialization strategies for sustainable chemicals and renewable energy | Paul | Dauenhauer | University of Minnesota Twin Cities |
| AM | 7-Jun | Technical Session - Oral | Chemical Business: Resources and Best Practices | 11:10 AM | 11:35 AM | Starting and running a distillery | Karl | Loepke | Skeptic Distillery Co. |
| AM | 7-Jun | Technical Session - Oral | Organometallic Chemistry I | 9:05 AM | 9:45 AM | New Frontiers in Low-Coordinate Iron Imido Chemistry | Jeremy | Smith | Indiana University |
| AM | 7-Jun | Technical Session - Oral | Organometallic Chemistry I | 9:45 AM | 10:05 AM | Electrochemical Investigation on Ti-Mediated Oxidation-Induced Formal N-N Reductive Elimination | Rachel | Dunscumb | University of Minnesota Twin Cities |
| AM | 7-Jun | Technical Session - Oral | Organometallic Chemistry I | 10:05 AM | 10:25 AM | Synthesis and reactivity of a Mn(II) chelating bis(alkoxide) complex towards aziridination with iminoiodinane as the nitrene source | Sudheer | Kurup | Wayne State University |
| AM | 7-Jun | Technical Session - Oral | Organometallic Chemistry I | 10:25 AM | 10:45 AM | Origin of Bond Elongation in a Uranium(IV) <i>cis</i> -bis(imido) | Tyler | Collins | Purdue University System |
| PM | 7-Jun | Technical Session - Oral | Organic Chemistry at PUIs (III) | 9:05 AM | 9:35 AM | He didn't just quaternize amines: the career of Nikolai Aleksandrovich Menshutkin. | David | Lewis | University of Wisconsin-Eau Claire |
| PM | 7-Jun | Technical Session - Oral | Organic Chemistry at PUIs (III) | 9:35 AM | 10:05 AM | Employing Manganese-nickel Alloy Balls as a Mixing Agent and Versatile Catalyst/reagent for Mechanochemical Organic Transformations | Rebecca | Haley | University of Wisconsin-River Falls |
| PM | 7-Jun | Technical Session - Oral | Organic Chemistry at PUIs (III) | 10:05 AM | 10:35 AM | Developing a flexible methodology for the fluorescent tagging of biomolecules | Rita | Majerle | Hamline University |
| PM | 7-Jun | Technical Session - Oral | Organic Chemistry at PUIs (III) | 10:45 AM | 11:15 AM | Derivatives of the fluorescent <i>N</i> -alkyl-4-alkylamino-1,8-naphthalimides: Synthetic and structural studies. | Deidra | Gerlach | University of Wisconsin-Eau Claire |
| PM | 7-Jun | Technical Session - Oral | Organic Chemistry at PUIs (III) | 10:45 AM | 11:15 AM | Derivatives of the fluorescent <i>N</i> -alkyl-4-alkylamino-1,8-naphthalimides: Synthetic and structural studies. | David | Lewis | University of Wisconsin-Eau Claire |
| PM | 7-Jun | Technical Session - Oral | Organic Chemistry at PUIs (III) | 10:45 AM | 11:15 AM | An Agile Approach to Undergraduate Research | Eric | Fort | University of Saint Thomas College of Arts and Sciences |
| AM | 7-Jun | Technical Session - Oral | Sustainable Polymers | 10:05 AM | 10:25 AM | The release and uptake of materials by chitosan-alginate bioplastics | Graeme | Wyllie | Concordia College |
| AM | 7-Jun | Technical Session - Oral | Sustainable Polymers | 10:25 AM | 10:45 AM | Be a 4-H Scientist: Bringing sustainable polymers to informal science audiences in grades K-8 | Jennifer | Henderson | NSF Center for Sustainable Polymers |
| AM | 7-Jun | Technical Session - Oral | Sustainable Polymers | 10:45 AM | 11:05 AM | Potential effects of microplastics on Harmful Algal Bloom-causing species in the Great Lakes | Fuad | Shatara | University of Wisconsin-Madison |
| AM | 7-Jun | Technical Session - Oral | Sustainable Polymers | 11:15 AM | 11:35 AM | Novel Materials Derived from Agriculture-based Biomass | Surojit | Gupta | University of North Dakota |

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| AM | 7-Jun | Technical Session - Oral | Sustainable Polymers | 11:35 AM | 11:55 AM | Cottonseed oil based UV-curable resins | Marta-Ievheniia | Vonsul | North Dakota State University |
| PM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes II | 1:30 PM | 1:55 PM | Investigating the Role of Turn Position Residues in Beta-Hairpin Peptide Catalysts | Leah | Witus | Macalester College |
| PM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes II | 1:55 PM | 2:20 PM | Dissecting the Histone Code Involving Bromodomains and the Histone Variant, H2A.Z | Noelle | Olson | University of Minnesota Twin Cities |
| PM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes II | 2:20 PM | 2:45 PM | Protein Substrates Engage the Lumen of O-GlcNAc Transferase's Tetratricopeptide Repeat Domain in Different Ways | Cassandra | Joiner | Saint Olaf College |
| PM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes II | 3:00 PM | 3:25 PM | The development of a selective CBX2 Chromodomain Ligand for preventing Neuroendocrine Differentiation of Prostate Cancer | Emily | Dykhuisen | Purdue University |
| PM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes II | 3:25 PM | 3:50 PM | Quantifying the Selectivity of Protein-Protein and Small Molecule Interactions with Fluorinated Tandem Bromodomain Reader Proteins | Prakriti | Kalra | University of Minnesota Twin Cities |
| PM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes II | 3:50 PM | 4:15 PM | Assessing the Structures and Interactions of ¹³ D-Crystallin Deamidation Variants | Alex | Guseman | Univ of Pittsburgh |
| PM | 7-Jun | Technical Session - Oral | Biologically Related Molecules and Processes II | 4:15 PM | 4:40 PM | Enzymatic protein modification using prenyltransferases | Mark | Distefano | Univ of Minnesota |
| PM | 7-Jun | Technical Session - Oral | Distance Learning in Chemical Education | 1:35 PM | 1:42 PM | University of Minnesota student ACS chapter: A virtual year of learning, collaborating, and experimenting with chemistry | Katerina | Graf | University of Minnesota Twin Cities |
| PM | 7-Jun | Technical Session - Oral | Distance Learning in Chemical Education | 1:42 PM | 1:49 PM | Online chemistry labs - should they persist post-pandemic? | Michael | Kenney | Cuyahoga Community College |
| PM | 7-Jun | Technical Session - Oral | Distance Learning in Chemical Education | 1:49 PM | 1:56 PM | Biodegradation Database: A Bioinformatics Approach to Study the Microbial Degradation of Cyanoguanidine and Related Compounds | Dean | Young | Hamline University |
| PM | 7-Jun | Technical Session - Oral | Distance Learning in Chemical Education | 1:56 PM | 2:03 PM | Online Environment: The Hybridization Explorer - Withdrawn | Gianna | Manchester | Alchemie Solutions Inc. |
| PM | 7-Jun | Technical Session - Oral | Distance Learning in Chemical Education | 2:20 PM | 2:45 PM | Live-streaming of Instructor Completed Labs During the Pandemic: Initial Impressions | Vincent | Hradil | Concordia University Chicago |
| PM | 7-Jun | Technical Session - Oral | Distance Learning in Chemical Education | 2:45 PM | 3:10 PM | Embedding Success Strategies into Online Introductory Chemistry | Christine | Pruis | Kalamazoo Valley Community College |
| PM | 7-Jun | Technical Session - Oral | Distance Learning in Chemical Education | 3:20 PM | 4:05 PM | CONNECTING CHEMISTRY TO SOCIETY AND FOSTERING COMMUNITY APPRECIATION OF SCIENCE | Bassam | Shakhashiri | Univ of Wisconsin-Madison |
| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 1:32 PM | 1:52 PM | Cysteine Determination based on the Fluorescence Resonance Energy Transfer of an Assembled Nanohybrid | Hannah | Han | University of North Dakota |

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| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 1:52 PM | 2:12 PM | Investigations of succinylated polyethyleneimine derivatives for enhanced transfections in serum | Md Nasir | Uddin | University of Kentucky |
| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 2:12 PM | 2:32 PM | FRET-based Pdot@SiQDs Nanocomposite for Enhancing Quantum Yield and Stability | Di | Sun | University of North Dakota |
| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 2:37 PM | 2:52 PM | Antimicrobial properties of silver nanoparticle-impregnated wheat gluten biofilms | Cody | Busch | Saint Xavier University |
| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 2:52 PM | 2:59 PM | Silver Nanoparticles as Catalysts for the Reduction of 4-Nitrophenol | Marilyn | Flores Ortiz | Saint Xavier University |
| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 2:59 PM | 3:06 PM | Systematic Study of Aminoacid Adsorption in Carbon Nanotubes | Ethan | Wiita | The College of St Scholastica |
| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 3:06 PM | 3:13 PM | Varied Dissolution Silica Nanoparticles for Nano-enabled Disease Suppression in Plants | Beza | Tuga | Univ of Minnesota |
| PM | 7-Jun | Technical Session - Flash Talk | Nanomaterials II | 3:13 PM | 3:20 PM | Comparative Study of Poly-Diaminonaphthalene Nanocomposite Based on Different Electrode Substrates | Fatima Ezzahra | SALIH | Universite Hassan II Casablanca Faculte des Sciences Techniques Mohammedia |
| PM | 7-Jun | Technical Session - Oral | Organometallic Chemistry II | 1:35 PM | 2:05 PM | Tuning the hydricities and acidities of metal triphosphine complexes to achieve efficient CO₂ hydrogenation | Christopher | Zall | Sam Houston State University |
| PM | 7-Jun | Technical Session - Oral | Organometallic Chemistry II | 2:05 PM | 2:25 PM | Exploration of Low-Valent Uranium-Pnictogen Interactions | Diana | Perales | Purdue University |
| PM | 7-Jun | Technical Session - Oral | Organometallic Chemistry II | 2:25 PM | 2:45 PM | Pincer-ligated manganese dicarbonyl complexes featuring an N-heterocyclic phosphonium/phosphido moiety | Leah | Oliemuller | The Ohio State University Department of Chemistry and Biochemistry |
| PM | 7-Jun | Technical Session - Oral | Organometallic Chemistry II | 2:45 PM | 3:05 PM | Developing a carbon-carbon bond forming method using sigma-bond metathesis | Allen | Nguyen | University of Minnesota Twin Cities |
| PM | 7-Jun | Technical Session - Oral | Sustainable Polymers (II) | 1:35 PM | 1:55 PM | and High Oleic Soybean Oil-based Acrylic Monomer | Yehor | Polunin | North Dakota University System |
| PM | 7-Jun | Technical Session - Oral | Sustainable Polymers (II) | 1:55 PM | 2:15 PM | Lignin solubilization and fractionation in aqueous aprotic and protic solvents | Jessica | Emond | University of North Dakota |
| PM | 7-Jun | Technical Session - Oral | Sustainable Polymers (II) | 2:15 PM | 2:35 PM | Sustainability and Adhesive Performance of Plant Oil-Based Latexes | Iryna | Bon | North Dakota State University |

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| PM | 7-Jun | Technical Session - Oral | Sustainable Polymers (II) | 2:45 PM | 3:05 PM | Analysis of organics and noncondensable gases present in subcritical water-treated alkali lignin | Audrey | LaVallie | University of North Dakota |
| PM | 7-Jun | Technical Session - Oral | Sustainable Polymers (II) | 3:05 PM | 3:25 PM | High-Oleic Sunflower Oil-Based Vinyl Monomer in Latex Polymers Synthesis | Bohdan | Domnich | Nacional'nij universitet L'vivs'ka politehnika |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 8:05 AM | 8:25 AM | A Mild, 2-Step Approach to Strained Cyclooctynes | Panagiotis | Alexakos | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 8:25 AM | 8:45 AM | Preparation of a ROMP monomer for post-polymerization click chemistry | Mario | Noboa | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 8:45 AM | 9:05 AM | (hydroxyalkyl)piperazinones via alkene oxamidation | Jose | Ortiz | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 9:15 AM | 9:40 AM | Generation of Azamethide Ylides Through a Multi-Ion Bridge Mechanism | Thomas | Montgomery | Duquesne University |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 9:40 AM | 10:05 AM | Regiodivergent Opening of Unsymmetrical Phenonium Ions Derived from Epoxides | Nicholas | Race | University of Minnesota |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 10:05 AM | 10:25 AM | Progress towards a tricyclic model of the antibacterial agent zamimaphidin A | Mihir | Chavda | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 10:25 AM | 10:45 AM | Approaches for Searching, Characterization and Synthesis of Naturally Occurring Molecules | Steven | Dueball | Elsevier BV |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 10:55 AM | 11:02 AM | Progress towards the total synthesis of resorcylic natural products. | Daria | Galaktionova | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 11:02 AM | 11:09 AM | Developments in enantioselective I^{β} -arylation | Mihir | Chavda | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 11:09 AM | 11:16 AM | Studies into the application of phenonium ion intermediates in the synthesis of 4-membered spirocycles | Shelby | McGuire | University of Minnesota Twin Cities |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 11:16 AM | 11:26 AM | Flash talk question and answer | | | |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 11:26 AM | 11:33 AM | Gamma Functionalization of Unsaturated Ketones via Nitroso Diels-Alder Reaction | SRUTHI | MOHAN | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 11:33 AM | 11:40 AM | Synthesis of dihydrofuran derivatives via tandem gamma C=C bond/C=O bond formation with acyclic protected-dienolates | Sebastian | Marquez | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | New Organic Reaction Development and Natural Products Synthesis | 11:40 AM | 11:47 AM | Iron-catalyzed I^{β} -Haloalkylation and Haloalkenylation of Enones | Douglas | Yarbrough | University of Illinois at Chicago |
| AM | 8-Jun | Technical Session - Oral | Anti-Infective Oral Presentations | 8:20 AM | 8:40 AM | Design of antibiotics to overcome resistance in mycobacteria | Courtney | Aldrich | University of Minnesota |
| AM | 8-Jun | Technical Session - Oral | Anti-Infective Oral Presentations | 8:40 AM | 9:00 AM | Structural Modeling and Analysis of the SARS-CoV-2 Cell Entry Inhibitor Camostat Bound to the Trypsin-like Protease TMPRSS2 | Diego | Escalante | University of Minnesota Twin Cities |

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| AM | 8-Jun | Technical Session - Oral | Anti-Infective Oral Presentations | 9:00 AM | 9:20 AM | Development of bioorthogonal chemical probes to study penicillin-binding proteins | Joshua | Shirley | University of Minnesota Twin Cities |
| AM | 8-Jun | Technical Session - Oral | Anti-Infective Oral Presentations | 9:30 AM | 9:50 AM | Paleopharmaceuticals: Prospective drugs from Baltic amber | Connor | McDermott | University of Minnesota Twin Cities |
| AM | 8-Jun | Technical Session - Oral | Anti-Infective Oral Presentations | 9:50 AM | 10:10 AM | potential antibiotics with a new mechanism of action - Withdrawn | Thahani Shifna | Habeeb Mohammad | Loyola University Chicago |
| AM | 8-Jun | Technical Session - Oral | Anti-Infective Oral Presentations | 10:10 AM | 10:30 AM | Design, synthesis, and characterization of small molecule inhibitors of HIV-1 capsid protein (CA) | Rajkumar | Sahani | University of Minnesota Twin Cities |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 8:50 AM | 9:15 AM | Binding Modes of N ₂ P ₂ ligands with First-Row Transition Metals | Elodie | Marlier | St. Olaf College |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 9:15 AM | 9:40 AM | Synthesis of unsymmetrical bisphosphines via secondary phosphine oxides | Bryan | Nell | University of Minnesota Morris |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 9:40 AM | 10:05 AM | Adsorption of per- and polyfluoroalkyl substances utilizing metal-organic framework materials | Joseph | Mondloch | University of Wisconsin-Stevens Point |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 10:05 AM | 10:30 AM | Mechanochemistry of Coordination Complexes: Synthesis, Solid-state Photoluminescence, and X-ray Structures | Daron | Janzen | St. Catherine University |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 10:45 AM | 10:52 AM | the Use of Cobalt-based Hybrid-system Electrocatalysts | Michaela | Gustaitis | Indiana University Bloomington |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 10:52 AM | 10:59 AM | Gold nanoparticles synthesis with the antioxidant flavonoid quercetin | Annika | Holm | University of Northern Colorado |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 10:59 AM | 11:06 AM | copper complexes for potential Alzheimer's therapeutics | Emma | Crnich | Lewis University |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 10:59 AM | 11:06 AM | copper complexes for potential Alzheimer's therapeutics | Michael | Zambrano | Lewis University |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 11:15 AM | 11:22 AM | organic framework for pharmaceutical drug synthesis applications | Raneem | Ahmad | Lewis University |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 11:22 AM | 11:29 AM | Preparation of gold nanoparticles with the plant secondary metabolite (epi)catechin | Zach | Gilbert | University of Northern Colorado |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 11:22 AM | 11:29 AM | Preparation of gold nanoparticles with the plant secondary metabolite (epi)catechin | Sarah | Mitchell | University of Northern Colorado |
| AM | 8-Jun | Technical Session - Oral | Undergraduate Research at the Frontiers of Inorganic Chemistry | 11:29 AM | 11:36 AM | Metal-organic Frameworks for Drug Delivery Vehicles for Photodynamic Therapy | Ashley | Barrera | Lewis University |
| AM | 8-Jun | Technical Session - Flash Talk | Organometallic Chemistry III | 9:05 AM | 9:35 AM | Functionalization of C(sp ³)-H Bond with a Copper(II)/(III) Redox Couple | Shiyu | Zhang | Ohio State University |

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| AM | 8-Jun | Technical Session - Flash Talk | Organometallic Chemistry III | 9:35 AM | 9:55 AM | Radical approach to aryne formation | Jenna | Humke | University of Minnesota Twin Cities |
| AM | 8-Jun | Technical Session - Flash Talk | Organometallic Chemistry III | 9:55 AM | 10:15 AM | Superseding substrate control in aryne difunctionalizations | Erin | Plasek | University of Minnesota Twin Cities |
| AM | 8-Jun | Technical Session - Flash Talk | Organometallic Chemistry III | 10:15 AM | 10:22 AM | Mechanistic Investigations on the Protodemetalation of Ni(II)-Aryl Complexes | Paige | Piszel | University of Wisconsin - Madison |
| AM | 8-Jun | Technical Session - Flash Talk | Organometallic Chemistry III | 10:22 AM | 10:29 AM | Development of a thiazole-containing ligand for use in organometallic transformations | Clifford | Agyei | Lakehead University |
| AM | 8-Jun | Technical Session - Flash Talk | Organometallic Chemistry III | 10:22 AM | 10:29 AM | Development of a thiazole-containing ligand for use in organometallic transformations | Craig | MacKinnon | Lakehead University |
| AM | 8-Jun | Technical Session - Flash Talk | Organometallic Chemistry III | 10:29 AM | 10:36 AM | functional groups in the bridge: synthesis and characterization of zirconium-bipyridyl and -bithiazole porous materials | Devin | Moore | Lakehead University |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 10:55 AM | 11:05 AM | Spatial distribution of low molecular weight BPEI and PEG-BPEI within <i>Pseudomonas aeruginosa</i> biofilms | Hannah | Panlilio | The University of Oklahoma |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 11:05 AM | 11:15 AM | 600-Da branched polyethyleneimine (BPEI) as a potential adjuvant to neutralize E.coli LPS and biofilm virulence factors. | Neda | Heydarian | The University of Oklahoma |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 11:15 AM | 11:25 AM | Antimicrobial properties of Ginkgo Biloba | Emma | Darbro | Illinois Mathematics and Science Academy |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 11:25 AM | 11:35 AM | Design of COVID-19 antivirals using computer modeling | Isabella | Chen | Illinois Mathematics and Science Academy |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 11:25 AM | 11:35 AM | Design of COVID-19 antivirals using computer modeling | Lethzeylee | Gutierrez | Illinois Mathematics and Science Academy |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 11:25 AM | 11:35 AM | Design of COVID-19 antivirals using computer modeling | Andrea | Torres | Illinois Mathematics and Science Academy |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 11:35 AM | 11:45 AM | Design of SARS-CoV-2 main protease inhibitors by computer aided drug design | Ariela | Asllani | Illinois Mathematics and Science Academy |
| AM | 8-Jun | Technical Session - Flash Talk | Anti-Infective Flash Round | 11:35 AM | 11:45 AM | Design of SARS-CoV-2 main protease inhibitors by computer aided drug design | Jackson | Grotke | Illinois Mathematics and Science Academy |

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|----------|--------------|--------------------------|---|----------------------|--------------------|--|---------------------|--------------------|-----------------------------------|
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 1:35 PM | 2:20 PM | Itâ€™s the items that make the assessment: Studies of test and item properties including item environment effects | Kristen | Murphy | University of Wisconsin-Milwaukee |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 2:25 PM | 2:45 PM | impact of a transformed general chemistry curriculum on student performance in organic chemistry 1 | Elizabeth | Day | Michigan State University |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 2:45 PM | 3:05 PM | Using molecular modeling to teach visual-spatial reasoning | Colleen | Conway | Mount Mary University |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 2:45 PM | 3:05 PM | Using molecular modeling to teach visual-spatial reasoning | Kathleen | Boyle | Mount Mary University |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 3:05 PM | 3:25 PM | Gamified Process Oriented Guided Inquiry Learning Activities (gPa) | Nathan | Turner | South Dakota State University |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 3:35 PM | 3:55 PM | Processes Informed by Local and Traditional Knowledge | Danielle | Maxwell | University of Michigan |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 3:55 PM | 4:15 PM | student success in STEM through intrusive advising | Richard | Jarman | College of Dupage |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 4:15 PM | 4:35 PM | educational transformation, diversity, and inclusion in chemistry | jennifer | collins | The Ohio State University |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 4:45 PM | 5:05 PM | Early authentic research across the educational spectrum | Desmond | Murray | Andrews University |
| PM | 8-Jun | Technical Session - Oral | Chemistry Education Research: General Perspective | 5:05 PM | 5:25 PM | Learning (DISTL): A focus on undergraduate chemistry courses | Albert | Aidoo | South Dakota State University |
| PM | 8-Jun | Technical Session - Oral | Cancer/Anti-Infectives Oral Presentations | 1:35 PM | 1:55 PM | Towards Chemical Probes for APOBEC DNA Cytosine Deaminases | Daniel | Harki | University of Minnesota |
| PM | 8-Jun | Technical Session - Oral | Cancer/Anti-Infectives Oral Presentations | 1:55 PM | 2:15 PM | Impact of Rng Size on the Biological Activities of Ipomoeassin F | Wei | Shi | Ball State University |
| PM | 8-Jun | Technical Session - Oral | Cancer/Anti-Infectives Oral Presentations | 2:15 PM | 2:35 PM | Synthesis of open-chain analogue of Ipomoeassin F | Kwabena | Duah | Ball State University |
| PM | 8-Jun | Technical Session - Oral | Cancer/Anti-Infectives Oral Presentations | 2:45 PM | 3:05 PM | resistant <i>Pseudomonas aeruginosa</i> and Carbapenem-resistant <i>Enterobacteriaceae</i> (CRE), including those possessing metallo-beta-lactamases | Charles | Rice | The University of Oklahoma |
| PM | 8-Jun | Technical Session - Oral | Cancer/Anti-Infectives Oral Presentations | 3:05 PM | 3:25 PM | inhibitors of low molecular weight protein tyrosine phosphatase | Gabriella | Lott | College of Saint Benedict |
| PM | 8-Jun | Technical Session - Oral | Cancer/Anti-Infectives Oral Presentations | 3:25 PM | 3:45 PM | Synthesis of Potential Anti-parasitic Heterocyclic Compounds | Ezra | Marker | Lawrence University |
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 1:35 PM | 2:00 PM | Molecular Pedal Motion as a Means to Control Thermal Expansion Within Organic Solids | Ryan | Groeneman | Webster University |
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 2:00 PM | 2:25 PM | Everything Solid-state in Three Weeks: CHEM296 in January Term 2018 | William | Ojala | University of St Thomas |

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|----------|--------------|--------------------------|---|----------------------|--------------------|---|---------------------|--------------------|--|
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 2:25 PM | 2:50 PM | X-ray crystallography at Georgia Southern University â€” A tale of teaching and research | Will | Lynch | Georgia Southern University College of Science and Mathematics |
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 2:50 PM | 3:15 PM | Visualization tools for teaching crystal packing and crystallography in the undergraduate curriculum | Dean | Johnston | Otterbein University |
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 3:25 PM | 3:50 PM | Using Powder X-ray Diffraction in a Solid-state Chemistry Course | Robin | Tanke | University of Wisconsin-Stevens Point |
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 3:50 PM | 4:15 PM | Using powder XRD system to probe single crystals | Nenad | Stojilovic | University of Wisconsin Oshkosh |
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 4:15 PM | 4:40 PM | Sweet video presentation for practical crystallography education | Alain | Beuparlant | East Tennessee State University |
| PM | 8-Jun | Technical Session - Oral | Crystallography in the Undergraduate Curriculum | 4:40 PM | 5:05 PM | Undergraduate Institution: Teaching, Research, and Collaborations | Daron | Janzen | St. Catherine University |
| PM | 8-Jun | Technical Session - Oral | Organometallic Chemistry IV | 1:30 PM | 2:00 PM | <i>d</i> ⁰ -Metal Complexes | Roman | Belli | University of Minnesota Twin Cities |
| PM | 8-Jun | Technical Session - Oral | Organometallic Chemistry IV | 2:00 PM | 2:20 PM | step in Re-catalyzed monoalkylation and monoalkenylation of phenols | Ashton | Havens | Eastern Michigan University |
| PM | 8-Jun | Technical Session - Oral | Organometallic Chemistry IV | 2:20 PM | 2:40 PM | Multi-Electron Redox Chemistry with Thorium(IV) Iminoquinone Complexes | Ramitha | Rupasinghe | Purdue University |
| PM | 8-Jun | Technical Session - Oral | Organometallic Chemistry IV | 2:40 PM | 3:10 PM | Node-and-spacer metal-organic frameworks using the silver(I)-nitrile supramolecular synthon and sulfur-containing heterocyclic oligomers as ligands | Craig | MacKinnon | Lakehead University |
| PM | 8-Jun | Technical Session - Oral | Organometallic Chemistry IV | 3:10 PM | 3:30 PM | Iridium based organometallic complexes for optical properties | anas | karuth | North Dakota State University |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 1:50 PM | 2:10 PM | Measuring Physiochemical properties of Viruses Can Improve Downstream Processing of Viral Products | Oluwatoyin | Areo | Michigan Technological University |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 2:10 PM | 2:30 PM | An original biocatalytic synthesis of 3-hydroxypropionic acid | Amaya | Sirinimal | Michigan State University |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 2:30 PM | 2:50 PM | One-pot reaction from cloning to validation coupling with a cell-free system | Wakana | Sato | University of Minnesota Twin Cities |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 2:50 PM | 2:57 PM | Cell-Free Biosensing for Environmental and Performance Monitoring | Kathryn | Beabout | Air Force Research Laboratory (UES, Inc) |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 2:57 PM | 3:04 PM | Metformin (Glucophage) biodegradation: Relevance to water treatment and the human gut | Ashley | Robinson | Hamline University |

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| PM | 8-Jun | Technical Session - Oral | Biotechnology | 3:04 PM | 3:11 PM | Biochemical-characterization of a borosin RiPP system | Kathryn | Crone | University of Minnesota Twin Cities |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 3:30 PM | 4:00 PM | Block copolymers as biomolecular condensates to organize biochemistry in bacteria | William | Childers | University of Pittsburgh |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 4:00 PM | 4:30 PM | Rieske Business: Engineering Rieske Dioxygenases as Green-Chemical Catalysts | Jordan | Froese | Ball State University |
| PM | 8-Jun | Technical Session - Oral | Biotechnology | 4:30 PM | 5:00 PM | Controlling biocatalyst specificity through multiplexed substrate screening | Andrew | Buller | University of Wisconsin System |
| PM | 8-Jun | Technical Session - Oral | Medical Device | 2:05 PM | 2:30 PM | of unknown leachables/extractables from medical devices | Ryan | Espy | Medtronic Inc |
| PM | 8-Jun | Technical Session - Oral | Medical Device | 2:30 PM | 2:55 PM | Thermal conductivity considerations in medical devices | Kendi | Kebaara | Boston Scientific Corp |
| PM | 8-Jun | Technical Session - Oral | Medical Device | 3:05 PM | 3:30 PM | Atomic spectroscopy analytical support in the life cycle of a medical device | Jeff | Zeske | Medtronic Inc |
| PM | 8-Jun | Technical Session - Oral | Medical Device | 3:30 PM | 3:55 PM | ISO 10993-18:2020- Chemical characterization of medical devices in a changing technical landscape | Joseph | Tokos | WuXi AppTec St Paul |
| PM | 8-Jun | Technical Session - Oral | Medical Device | 4:00 PM | 5:00 PM | Career panel in medical devices | Ryan | Espy | Medtronic Inc |
| PM | 8-Jun | Technical Session - Flash Talk | Anti-infectives/Cancer therapeutics Flash Round | 4:00 PM | 4:10 PM | Novel 5-methylsubstitutedpyrrolo[2,3-pyrimidines as dual inhibitors of EGFR and AURK | Sara | LaForce | Ferris State University |
| PM | 8-Jun | Technical Session - Flash Talk | Anti-infectives/Cancer therapeutics Flash Round | 4:10 PM | 4:20 PM | The synthesis of small molecule inhibitors of microRNA-31 | John | Getson | Western Michigan University |
| PM | 8-Jun | Technical Session - Flash Talk | Anti-infectives/Cancer therapeutics Flash Round | 4:20 PM | 4:30 PM | Polyfluorosalicylic acids as antimycobacterial compounds | Pooja | Hegde | University of Minnesota Twin Cities |
| PM | 8-Jun | Technical Session - Flash Talk | Anti-infectives/Cancer therapeutics Flash Round | 4:30 PM | 4:40 PM | Resistance to BPEI confers increased susceptibility to aminoglycoside antibiotics | William | Best | The University of Oklahoma |
| PM | 8-Jun | Technical Session - Flash Talk | Anti-infectives/Cancer therapeutics Flash Round | 4:40 PM | 4:50 PM | Modifications of Nitro-Dihydroxyquinoxaline analogs of MMV007204 and exploration of their activities against Schistosoma mansoni | Joe | Heyman | Lawrence University |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 8:05 AM | 8:30 AM | Using a Magnetic Field to Filter and Separate Compound Mixtures. | Matthew | Burns | Northeastern ILL University |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 8:30 AM | 8:55 AM | with Electron Capture Negative Ion Mass Spectrometry (C-GC-ECNI-MS) to Achieve Sub-ppb Concentration Levels for Brominated and Chlorinated Organic Priority Pollutants. | Paul | Loconto | Independent consultant |

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| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 8:55 AM | 9:20 AM | bracelets via geiger-muller counter, and gamma spectroscopy | Myles | Edwards | Law offices of Todd Friedman P.C. |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 9:25 AM | 9:45 AM | Understanding the limits of paper in paper-based potentiometric sensors | Eliza | Herrero | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 9:45 AM | 10:05 AM | Using single particle inductively coupled plasma mass spectrometry to measure elemental chemical composition and number concentration of atmospheric nano- and micro-particles | Madeleine | Lomax-Vogt | The Ohio State University |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 10:05 AM | 10:25 AM | Developing Analyte Specific Probes for Inclusion onto Graphene-Based Sensor Arrays Through Monolayer Self-Assembly onto Graphene | Blair | Troutd | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 10:35 AM | 10:55 AM | All solid-state hydrogen ion-selective electrode using ionophore and ionic sites covalently attached to poly(methacrylate) | Kwangrok | Choi | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 10:55 AM | 11:15 AM | Ion-selective electrodes with hydrogel-based transducers using hydrophilic redox buffers | Celeste | Rousseau | University of Minnesota |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 11:15 AM | 11:35 AM | Functional group identification for FTIR spectra using image-based machine learning models | Abigail | Enders | The Ohio State University |
| AM | 9-Jun | Technical Session - Oral | General Topics in Analytical Chemistry | 11:35 AM | 11:55 AM | Protective Mechanism of Dried Blood Spheroids: Stabilization of Labile Molecules Stored under Ambient Conditions and Applications | Benjamin | Frey | The Ohio State University |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 8:05 AM | 8:30 AM | what Students Know through Evidence-Centered Design of a Case Study to Assess Studentsâ€™™ Green Decision-Making | Elizabeth | Day | Michigan State University |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 8:30 AM | 9:00 AM | frameworks to facilitate greener chemistries - Withdrawn | Kari | Stone | Lewis University |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 9:00 AM | 9:25 AM | Superoxide Batteries on the Basis of Dry Ambient Air | Lei | Qin | The Ohio State University |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 9:25 AM | 9:55 AM | Synthesis of a series of long chain, aliphatic, multi-dentate ligands as potential water remediators, and some complexes thereof | Mark | Benvenuto | University of Detroit Mercy |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 10:15 AM | 10:35 AM | Water treatment by a DC pin to water discharge plasma | Lue | Her | Hamline University |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 10:35 AM | 10:55 AM | Uptake of radioactive ions from aqueous solutions by biopolymers | Joshua | Lasciche | Borough of Manhattan Community College |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 10:55 AM | 11:02 AM | United States Water Quality as it Correlated to Consumer Socioeconomic Background | Ryan | Beni | Tennessee State University |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 11:02 AM | 11:09 AM | Towards a greener synthesis of dibenzalacetone | Steven | Wathen | Siena Heights University |

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| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 11:09 AM | 11:16 AM | Pretreatment and fiber content analysis of <i>Cannabis sativa</i> | Dina | Bu | SUNY Geneseo |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 11:16 AM | 11:23 AM | Biobased BPA Alternatives: a Search for Sustainable Synthesis | Catherine | Sutton | North Dakota State University |
| AM | 9-Jun | Technical Session - Oral | Green Chemistry I | 11:23 AM | 11:30 AM | Green vitrimer chemistry for a teaching lab experiment | Anna | Mikkelsen | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 8:15 AM | 8:30 AM | Surface Monitoring of the Air-Seawater Interface during a Small-Scale Marine Algal Bloom | Michaela | Rogers | The Ohio State University |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 8:35 AM | 8:50 AM | Development of Histidine Kinase Inhibitors as Anti-virulence Agents in <i>Pseudomonas Aeruginosa</i> | Conrad | Fihn | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 8:55 AM | 9:10 AM | Development of selective BET bromodomain inhibitors as anti-inflammatory and anti-cancer agents | Huarui | Cui | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 9:15 AM | 9:30 AM | relative insensitivity of G-quadruplex secondary structures to destabilization by a chaotropic Hofmeister ion | Tanner | Hoog | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 9:35 AM | 9:50 AM | Designing Peptidomimetic Antagonists of HIV-1 Envelope and SARS-CoV-2 Spike for Disease Therapy and Prevention | Anthony | Lisi | Drexel University College of Arts and Sciences |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 9:55 AM | 10:10 AM | Synthesis of a Norbornene-Containing for the Enzyme Geranylgeranyltransferase | Haley | Dammar | St. Catherine University |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 10:15 AM | 10:22 AM | Chemical probe development for BPTF reader domains utilizing biophysical assays | Caroline | Buchholz | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 10:22 AM | 10:29 AM | Manipulating Sugar-Driven Cellular Cytokine Production via Photocaged Glucose | Sydni Alexis | Elebra | Wayne State University |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 10:29 AM | 10:36 AM | Profiling Parkinson's Disease-related Antigens via Epitope Surrogate Technology | Peng | Ge | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 10:36 AM | 10:43 AM | Molecular Modeling of Penicillin Binding Proteins: Mechanism Elucidation and Probe Design | Parker | Flanders | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 10:43 AM | 10:50 AM | BPEI otentiation restores multidrug resistant KPC to β -lactam antibiotics | Tristan | Haight | The University of Oklahoma |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 11:05 AM | 11:12 AM | Thromboxane Synthase (CYP5A1) Interactions with Small Molecule Ligands | Alaina | Richard | University of Michigan |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 11:12 AM | 11:19 AM | Protein/protein interactions in the human cytochrome P450 system | Sarah | Burris | University of Michigan |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 11:19 AM | 11:26 AM | Structure and Function of Human Cytochrome P450 8B1 | Jinghan | Liu | University of Michigan |

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| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 11:26 AM | 11:33 AM | New copper(II) complexes derived from anthranilamide Schiff bases: Insights into mode of action and antiproliferative study | Felicia | Ejjah | University of Lagos |
| AM | 9-Jun | Technical Session - Oral | Chemical Biology Interface | 11:33 AM | 11:40 AM | Investigation of cytochrome P450 2J2 ligand binding modes | Nicole | Motl | University of Michigan |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 8:30 AM | 9:00 AM | the Chemistry Community During the Time of COVID-19 | Kyle | Grice | DePaul Unviersity |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 9:00 AM | 9:30 AM | Photoactivatable Pt(IV) Prodrugs Harnessing CD36 for Ovarian Cancer Therapy | Yaorong | Zheng | Kent State University |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 9:45 AM | 10:05 AM | Electronic Structure of Actinide Oxide Nanoclusters | S M GULAM | RABBANI | University of South Dakota |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 10:05 AM | 10:25 AM | Ligand effects on decarbonylation of Palladium-acyl complexes | Samuel | Fosu | University of South Dakota |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 10:25 AM | 10:45 AM | Iron (II/III) Halide Complexes Promote the Interconversion of Nitric Oxide and S-nitrosothiols through Reversible Fe-S Interaction | Anna | Poptic | Ohio State University |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 10:55 AM | 11:15 AM | Intricate new materials in K-Zn-Sb ternary system featuring novel clathrate XI | Tori | Cox | Iowa State University |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 11:15 AM | 11:30 AM | angles in (halobiphenyl) chromium tricarbonyl complexes | Curtis | Czerwinski | Univ of Wisconsin |
| AM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 11:30 AM | 11:45 AM | Advanced NMR (2D and Multinuclear) Study of Various Phthalocyanine Compounds | Vance | Kennedy | Eastern Michigan University |
| AM | 9-Jun | Technical Session - Oral | Cancer Therapeutics Oral Presentations | 9:05 AM | 9:25 AM | Dual EGFR and AURK inhibitors for multi-resistant lung cancer | Sonali | Kurup | Ferris State University |
| AM | 9-Jun | Technical Session - Oral | Cancer Therapeutics Oral Presentations | 9:25 AM | 9:45 AM | microRNA-18a hRNP A1 interaction - Withdrawn | Kelly | Teske | Western Michigan University |
| AM | 9-Jun | Technical Session - Oral | Cancer Therapeutics Oral Presentations | 9:45 AM | 10:05 AM | High throughput screening for the identification of small molecule inhibitors of the hRNP A1 miR-18a interaction | Emile | Van Meter | Western Michigan University |
| AM | 9-Jun | Technical Session - Oral | Cancer Therapeutics Oral Presentations | 10:15 AM | 10:35 AM | Development of small-molecule inhibitors of the epigenetic protein BPTF | Huda | Zahid | University of Minnesota Twin Cities |
| AM | 9-Jun | Technical Session - Oral | Cancer Therapeutics Oral Presentations | 10:35 AM | 10:55 AM | Synthesis and Evaluation of Porphyrin-Capecitabine and Porphyrin-Gemcitabine Derivatives for Photodynamic Anticancer Therapy | Mostafa | Abdelaziz | University of Akron Buchtel College of Arts and Sciences |
| AM | 9-Jun | Technical Session - Oral | Cancer Therapeutics Oral Presentations | 10:55 AM | 11:15 AM | Pre-clinical screening of plasma membrane citrate transporter inhibitor SAP-165 using the NCI-60 human tumor cell lines. | Shivaputra | Patil | Rosalind Franklin University of Medicine and Science College of Pharmacy |

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| AM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Organic Perspective | 10:05 AM | 10:25 AM | multiple representations: Analysis of studentsâ€™ writing and peer-review interactions for a writing-to-learn assignment | Field | Watts | University of Michigan |
| AM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Organic Perspective | 10:25 AM | 10:45 AM | Finkâ€™s taxonomy and the impact of assessment on student achievement in Organic Chemistry | Albert | Aidoo | South Dakota State University |
| AM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Organic Perspective | 10:45 AM | 11:05 AM | Developing expertise in ¹ H NMR spectral interpretation | Megan | Connor | University of Michigan |
| AM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Organic Perspective | 11:15 AM | 11:35 AM | Graduate teaching assistants' knowledge for teaching organic chemistry mechanisms | Eleni | Zotos | University of Michigan |
| AM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Organic Perspective | 11:35 AM | 11:55 AM | chemistry exam items: Item order and item environment effects | Olga | Michels | Luther College |
| AM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Organic Perspective | 11:55 AM | 12:15 PM | Course-based undergraduate research (CURE) as means for increasing diversity and inclusion in organic chemistry courses | Valeria | Stepanova | University of Wisconsin System |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 1:35 PM | 1:50 PM | Rational design of a ligand-activated fluorinase | Ryan | Wilson | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 1:55 PM | 2:10 PM | Synthesis of a novel isoprenoid analogue for prenylomic analysis of geranylgeranylation and its role in Alzheimerâ€™s Disease | Shelby | Auger | University of Minnesota |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 2:15 PM | 2:30 PM | Shining a light on endogenous electrophiles: Releasing methylglyoxal with spatiotemporal control in biological systems | Alexander | Hurben | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 2:40 PM | 2:55 PM | Construction of site-specific DNA-Histone conjugates in chromatin core particles and their effects on DNA transactions | Freddys | Rodriguez | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 3:00 PM | 3:15 PM | Single-cell Analysis of Prenylation in Mammalian Cells via Mass Cytometry | Zoe | Maxwell | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 3:20 PM | 3:35 PM | Embedded genetic recorders in <i>Streptomyces</i> to 'listen in' on chemical signals that trigger antibiotic production in soil | Maxime | Boneza | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 3:55 PM | 4:10 PM | Synthesis of functional bioprobes based on cyclohexanyl-polyamino carboxylate scaffolds | Jesba | Bas | University of Illinois at Chicago |
| PM | 9-Jun | Technical Session - Oral | Chemical Biology Interface II | 4:15 PM | 5:00 PM | within the human estrogen receptor I± using bipartite tetracysteine display | Justin | Holub | Ohio University |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 1:35 PM | 1:50 PM | Urinary N7-(1-hydroxy-3-buten-2-yl) Guanine Adducts in Humans: Ethnic differences and associations with lung cancer risk | Caitlin | Jokipii Krueger | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 1:50 PM | 2:05 PM | Novel 4-hydroxybenzyl adducts in human hemoglobin: structure and formation mechanisms | Andrew | Rajcewski | University of Minnesota |

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| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 2:05 PM | 2:20 PM | Impact of Acyclic Amine Leaving Groups on Quinone Methide Precursors for Resurrection of Organophosphorus-aged Acetylcholinesterase | Will | Clay | The Ohio State University |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 2:20 PM | 2:27 PM | Differences in DNA modifications in <i>P. aeruginosa</i> biofilms versus planktonic cells | Eric | Carlson | The University of Toledo |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 2:27 PM | 2:34 PM | Evaluation of NADPH Oxidase Inhibitors for Reduction of Ultraviolet Oxidative Damage in Skin | Alyssa | Sterling | University of Cincinnati |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 2:34 PM | 2:41 PM | Synthesizing the Inhibitor for NADPH Oxidase: | Nazanin | Mokhtarpour | University of Cincinnati |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 2:41 PM | 2:48 PM | Derivatives of diacyclopentadienone into small molecule NADPH oxidase I inhibitors, that suppresses reactive oxygen species production in skin cells. | Priyangika | Senevirathne | University of Cincinnati |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 3:05 PM | 3:30 PM | enabling genome-wide mapping of alkyl DNA adducts (ADA); a gateway to understanding epigenomic basis of mutagenesis and carcinogenesis. | Wioletta | Czaja | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 3:30 PM | 3:55 PM | protein 4-targeted agent inhibits leukemia growth through upregulation of DNA hypermethylation-silenced tumor suppressor genes | Shujun | Liu | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 3:55 PM | 4:20 PM | Epigenetic regulation: the third pillar of nitric oxide signaling | Douglas | Thomas | University of Illinois at Chicago |
| PM | 9-Jun | Technical Session - Oral | Chemical Research in Toxicology | 4:25 PM | 5:10 PM | Nucleic acids toolbox | Amanda | Bryant-Friedrich | Wayne State University |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 1:35 PM | 1:45 PM | Student-driven discovery of a solvatochromic effect propels the design of an undergraduate organic laboratory experiment | Christopher | Gulgas | University of Cincinnati - Blue Ash |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 1:45 PM | 1:55 PM | learning: Enhancing student knowledge of green chemistry through the creation of an open educational resource | Krystal | Grieger | North Dakota State University |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 1:55 PM | 2:05 PM | Tracking college chemistry instructors' teacher development through the evolution of their classroom document resources | Rebecca | Fantone | University of Michigan |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 2:05 PM | 2:15 PM | Analysis of chemistry students' conceptions of dissolving: The case of sodium chloride | Annie | Schiro | North Dakota State University |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 2:15 PM | 2:25 PM | Experiment scaffolding for effective learning in the organic chemistry laboratory | Lisa | Ahlberg | Andrews University |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 2:25 PM | 2:35 PM | Development of digital content on scientific writing for undergraduate and graduate students | Jill | Harland | University of Michigan |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 2:55 PM | 3:15 PM | <i>pK_a</i> of a Weak Monoprotic Acid from Equilibrium and pH Concepts: Alternative Method to Henderson- | Soumya | Bhattacharya | University of Saint Francis |

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| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 3:15 PM | 3:35 PM | Incorporating Inquiry into General Chemistry Laboratory in a Feasible Way | Jacob | Wainman | University of Minnesota Duluth |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 3:35 PM | 3:55 PM | Development of student data analysis skills in the general chemistry laboratory | Mark | Watry | Franciscan University of Steubenville |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 4:05 PM | 4:25 PM | Course-based undergraduate research experience (CURE) and Honors Program hybrid course on microplastic detection and analysis | Shaina | Mattingly | University of North Dakota |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 4:25 PM | 4:45 PM | Bio-based hydrogels for green polymer teaching lab experiments | Jeffrey | Buenaflor | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Chemistry Education Research: Laboratory Perspective | 4:45 PM | 5:05 PM | Determine Quantum Efficiency of Visible Light Mediated Reactions | Amandeep | Arora | University of Dubuque |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 1:35 PM | 1:50 PM | Electrodes for Blood Sensors Using Polydimethylsiloxane and Colloid-imprinted Mesoporous Carbon | Katerina | Graf | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 1:50 PM | 2:05 PM | Comparative Analysis of Polyphenols in Raw Elderberries and Commercial Products | Miya | McAntire | Clarke University |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:10 PM | 2:17 PM | 117 versus Nafion EW 1100 in the cyclic voltammetry of lanthanide (III) trifluoromethanesulfonates at Nafion-modified platinum electrodes | Mai Yer | Yang | University of Wisconsin-Eau Claire |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:10 PM | 2:17 PM | 117 versus Nafion EW 1100 in the cyclic voltammetry of lanthanide (III) trifluoromethanesulfonates at Nafion-modified platinum electrodes | Dani | Lehto | University of Wisconsin-Eau Claire |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:10 PM | 2:17 PM | 117 versus Nafion EW 1100 in the cyclic voltammetry of lanthanide (III) trifluoromethanesulfonates at Nafion-modified platinum electrodes | Ethan | Henseler | University of Wisconsin-Eau Claire |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:10 PM | 2:17 PM | 117 versus Nafion EW 1100 in the cyclic voltammetry of lanthanide (III) trifluoromethanesulfonates at Nafion-modified platinum electrodes | Anna | Claire | University of Wisconsin-Eau Claire |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:17 PM | 2:24 PM | Identification and Quantification of Calcitroic Acid in Biological Samples with Liquid Chromatographic Mass Spectrometric Detection. | Elliot | Di Milo | University of Wisconsin Milwaukee |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:24 PM | 2:31 PM | RP-HPLC method development to determine DL-amino acid ratios in eggshells for geochronological applications | Aaron | Jacobs | Andrews University |

| AM or PM | Session Date | Session Type | Session Title | Speaker _ Start Time | Speaker _ End Time | Speaker Abstract Title | Speaker_Fi rst Name | Speaker_Las t Name | Speaker_Institution |
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| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:41 PM | 2:48 PM | Characterizing ancient perfume residues in the double unguentaria from the Michael C. Carlos Museum | Samantha | Mahan | Eastern Michigan University College of Arts and Sciences |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:48 PM | 2:55 PM | Development of Lanthanide Enhanced Methanol Dehydrogenase Electrodes for Improved Bioelectrocatalysis Applications | Maggie | O'Reilly | University of Wisconsin-Eau Claire College of Arts and Sciences |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:48 PM | 2:55 PM | Development of Lanthanide Enhanced Methanol Dehydrogenase Electrodes for Improved Bioelectrocatalysis Applications | Bryce | Shoberg | University of Wisconsin-Eau Claire College of Arts and Sciences |
| PM | 9-Jun | Technical Session - Flash Talk | General Topics in Analytical Chemistry | 2:55 PM | 3:02 PM | Plasma oxidation and AMS radiocarbon dating of archaeological textile fragments: Pretreatments for removing contamination | Ruth Ann | Armitage | Eastern Michigan University |
| PM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 2:05 PM | 2:35 PM | Insights into the Nucleation of Mixed-Valent Polyoxovanadate-Alkoxide Clusters | Pere | Miro | University of South Dakota |
| PM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 2:35 PM | 3:00 PM | Sulfur-Containing Analogs of the Reactive [CuOH] ₂ ⁺ Core: Theoretical Studies | Riffat | Parveen | University of South Dakota |
| PM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 3:00 PM | 3:20 PM | Understanding electronic structure and bonding in a Bis-Anthracene Uranium Dimer | Rina | Bhowmick | University of South Dakota |
| PM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 3:35 PM | 3:55 PM | A novel reaction mechanism for the ring-opening polymerization of [PCl ₂ N] ₃ revealed by quantum mechanical (DFT) calculations - Withdrawn | Yuan | Xue | University of Akron |
| PM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 3:55 PM | 4:15 PM | Magnesium Alkoxide Complexes in Achiral and Chiral Ligand Environments for Polymerization of Lactide and Epoxide/Anhydride Copolymerization | Duleeka | Wannipurage | wayne state university |
| PM | 9-Jun | Technical Session - Oral | General Topics in Inorganic Chemistry | 4:15 PM | 4:35 PM | Synthesis and reactivity of a bis(phosphinoamide) Zr/Co heterobimetallic complex featuring an unprecedented dinitrogen binding mode | Joshua | Shoopman | Ohio State University |
| PM | 9-Jun | Technical Session - Oral | Neurochemistry and Computational | 2:05 PM | 2:25 PM | Development of selective CK2 alpha prime probes | Kathryn | Nelson | University of Minnesota Twin Cities |
| PM | 9-Jun | Technical Session - Oral | Neurochemistry and Computational | 2:25 PM | 2:45 PM | Computational Approaches to Fragment Selection and Screening for Protease Inhibitor Design | Michael | Walters | The University of Minnesota |
| PM | 9-Jun | Technical Session - Oral | Neurochemistry and Computational | 2:45 PM | 3:05 PM | Can ferricyanide core complexes be used as drug delivery systems for cisplatin? | Ariela | Kaspi-Kaneti | Kent State University |
| PM | 9-Jun | Technical Session - Oral | Neurochemistry and Computational | 3:15 PM | 3:35 PM | Fractionation design of hemp (<i>Cannabis</i>) products for analysis and bioassay | John | Friesen | Dominican University |
| PM | 9-Jun | Technical Session - Oral | Neurochemistry and Computational | 3:35 PM | 3:55 PM | Synthesis of Novel Quinone Methide Precursors as Potential Resurrectors and Reactivators of Aged and Inhibited Acetylcholinesterase. | Christopher | Codogni | The Ohio State University |

| AM or PM | Session Date | Session Type | Session Title | Speaker _ Start Time | Speaker _ End Time | Speaker Abstract Title | Speaker_First Name | Speaker_Last Name | Speaker_Institution |
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