

Thursday

ACS National Awards Plenary Sessions:

09:00am - 12:00pm USA / Canada - Pacific - April 15, 2021

Alison Butler, Organizer, Presider | **Dr Stephen A. Koch, Organizer** | **Nora Radu, Organizer** | **Andy Borovik, Presider** | **Ana De Bettencourt Dias, Presider**

Synthetic strategies to produce transition metal complexes containing reactive metal-ligand multiple bonds

09:00am - 09:45am USA / Canada - Pacific - April 15, 2021

Daniel Mindiola, Presenter

Controlling selectivity of electrocatalytic reactions

09:45am - 10:30am USA / Canada - Pacific - April 15, 2021

Anna Wuttig, Presenter | **Yogesh Surendranath**

Route to manufacture colloidal nanoparticle catalysts: Continuous flow methods from a chemist's perspective

10:30am - 11:15am USA / Canada - Pacific - April 15, 2021

Prof. Richard L. Brutchey, Presenter

Synthesis, reactivity, and catalytic relevance of high valent transition metal organometallic complexes

11:15am - 12:00pm USA / Canada - Pacific - April 15, 2021

Melanie Sanford, Presenter

Thursday

ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry (2021): Symposium Honoring Kenneth D. Karlin:

01:00pm - 03:55pm USA / Canada - Pacific - April 15, 2021

Prof. Reza A. Ghiladi, PhD, Organizer | **Eunsuk Kim, Organizer** | **Heather Lucas, Organizer** | **Harry Fry, Presider** | **Gayan Wijeratne, Presider**

Introductory Remarks

01:00pm - 01:05pm USA / Canada - Pacific - April 15, 2021

Synthetic models for pH sensing [2Fe-2S] mitoNEET cluster

01:05pm - 01:30pm USA / Canada - Pacific - April 15, 2021

Kady Oakley | **Kevin Sterling** | **Jason Shearer** | **Eunsuk Kim, Presenter**

Bioinspired second coordination sphere manipulation to enhance iron-porphyrins catalytic activity toward CO₂ reduction

01:30pm - 01:55pm USA / Canada - Pacific - April 15, 2021

Philipp Gotico | **Asma Khadhraoui** | **Marie Sircoglou** | **Winfried Leibl** | **Ally Aukauloo** | **Dr. Zakaria Halime, Presenter**

Thermochemistry of ferric heme hydroperoxide complexes: Hydrogen atom abstraction reactivity of the superoxide partner complexes

01:55pm - 02:15pm USA / Canada - Pacific - April 15, 2021

Hyun Kim, Presenter | **Patrick Rogler** | **Savita Sharma** | **Andrew Schaefer** | **Edward Solomon** | **Kenneth Karlin**

Intermission

02:15pm - 02:30pm USA / Canada - Pacific - April 15, 2021

Bio-inspired dioxygenation reactivity landscapes of synthetic heme superoxide adducts

02:30pm - 02:55pm USA / Canada - Pacific - April 15, 2021

Gayan Wijeratne, Presenter | **Pritam Mondal**

Multiheme peptide assemblies

02:55pm - 03:20pm USA / Canada - Pacific - April 15, 2021

Harry Fry, Presenter

New insights into the native and non-native reactions catalyzed by the multifunctional hemoglobin dehaloperoxidase

03:20pm - 03:45pm USA / Canada - Pacific - April 15, 2021

Prof. Reza A. Ghiladi, PhD, Presenter | **Talita Malewschik**

Concluding Remarks

03:45pm - 03:55pm USA / Canada - Pacific - April 15, 2021

Thursday

Chemistry of Materials: Nanomaterials:

01:00pm - 04:00pm USA / Canada - Pacific - April 15, 2021

Claus Lugmair, Organizer | **Emily Tsui, Presider** | **Fei Yu, Presider**

Thio- and selenocyanato oligothiophenes as thiol mimics for thin film and coated gold nanoparticle synthesis

01:00pm - 01:20pm USA / Canada - Pacific - April 15, 2021

Craig MacKinnon, Presenter | **Kaitlyn Kelly** | **jari nieminen**

Statistical multi-objective optimization of thiospinel CoNi₂S₄ nanocrystal synthesis via design of experiments

01:20pm - 01:40pm USA / Canada - Pacific - April 15, 2021

Emily Williamson, Presenter | **Prof. Richard L. Brutchey**

Two-dimensional oxide synthesis from liquid metal

01:40pm - 02:00pm USA / Canada - Pacific - April 15, 2021

Zheng Hu, Presenter | **Shi Hu**

Crystalline inorganic nanomaterials templated from block copolymers: Non-equilibrium processing and unique topology from reduced symmetry

02:00pm - 02:20pm USA / Canada - Pacific - April 15, 2021

Fei Yu, Presenter | **Qi Zhang** | **Ulrich Wiesner**

Free-standing nanoengineered 2D functional oxides from chemical methods

02:20pm - 02:40pm USA / Canada - Pacific - April 15, 2021

Pol Salles | **Ivan Caño** | **Roger Guzman** | **Camilla Dore** | **Agustin Mihi** | **Wu Zhou** | **Mariona Coll, Presenter**

Reversible electron doping of layered metal hydroxide nanoplates (M = Co, Ni) using n-butyllithium

02:40pm - 03:00pm USA / Canada - Pacific - April 15, 2021

Eve Martinez, Presenter | **Kuixin Zhu** | **Christina Li**

On the role of dopant-defect interactions in Fe-Al codoped ZnO nanocrystals

03:00pm - 03:20pm USA / Canada - Pacific - April 15, 2021

Enes Buz, Presenter | **Jacob Collins** | **Kevin Kittilstved**

Angstrom-scale modification of porous graphene lattice

03:20pm - 03:40pm USA / Canada - Pacific - April 15, 2021

Kuang-Jung Hsu, Presenter | **Kumar Varoon Agrawal**

Organometallic functionalization of colloidal semiconductor nanocrystal surfaces

03:40pm - 04:00pm USA / Canada - Pacific - April 15, 2021

Emily Tsui, Presenter | **Keaton Prather** | **Keith Schival** | **Jonathan Stoffel**

Thursday

Chemistry of Materials: Nanomaterials:

01:00pm - 04:00pm USA / Canada - Pacific - April 15, 2021

Claus Lugmair, Organizer | **Hailey Stephen, Presider**

First-principles insights into the chemical manipulation of 3D solids to create new 2D materials

01:00pm - 01:20pm USA / Canada - Pacific - April 15, 2021

Mona Layegh, Presenter | **Joseph Bennett**

Harnessing and using the high reactivity of plasmonic magnesium nanoparticles

01:20pm - 01:40pm USA / Canada - Pacific - April 15, 2021

Jeremie Asselin | **Elizabeth Hopper** | **Christina Boukouvala** | **Thomas Wayman** | **John Biggins** | **Emilie Ringe, Presenter**

Surface functionalization of CdSe nanocrystals with metal carbonyl ligands

01:40pm - 02:00pm USA / Canada - Pacific - April 15, 2021

Keaton Prather, Presenter | **Emily Tsui**

Adsorption of solvent mixtures into metal organic nanotubes (MONTs): Solvent selectivity and uptake kinetics

02:00pm - 02:20pm USA / Canada - Pacific - April 15, 2021

Lindsey Applegate, Presenter | **Johna Leddy** | **Tori Forbes**

Investigating the epitaxial growth of Ga₂O₃ nanowires by chemical vapor deposition on Si(100) substrates with metal oxide seed layers

02:20pm - 02:40pm USA / Canada - Pacific - April 15, 2021

Hailey Stephen, Presenter | **Tarek Trad** | **Parker Blount** | **Rajesh Balaraman**

Comparison of Sb(III) and Sb(V) as donors for p-type Sb-doped ZnO nanostructures: Vapor phase transport synthesis, and room temperature photoluminescence

02:40pm - 03:00pm USA / Canada - Pacific - April 15, 2021

Parker Blount, Presenter | **Tarek Trad** | **Hailey Stephen** | **Rajesh Balaraman**

Investigation of the Cu:Fe ratio on effective carrier mass for CuxFeS4 through high field magnetic circular dichroism

03:00pm - 03:20pm USA / Canada - Pacific - April 15, 2021

Jason E. Kuszynski, Presenter | **Joshua Kays** | **Carl Conti** | **Stephen McGill** | **Geoffrey Strouse** | **Allison Dennis**

Caprylate-capped mixed-metal ferrite nanoparticles: Spinel ferrite core and organic shell effects against different pathogens

03:20pm - 03:40pm USA / Canada - Pacific - April 15, 2021

Ms. Morgan Johnson, Presenter | Tarek Trad | Chamari Weththasingha | Lucy Hendrickson

Spatial and structural effect to upconversion performance of Er³⁺ in Y₂-xSc_xO₃ hosts

03:40pm - 04:00pm USA / Canada - Pacific - April 15, 2021

Yuming Wang, Presenter | James Dorman

Thursday

Organometallic Chemistry: New Ligand Platforms:

01:00pm - 03:40pm USA / Canada - Pacific - April 15, 2021

Nora Radu, Organizer | Marcus Drover, Presider

Cooperative bond activation in nickel complexes bearing PAIP pincer-type ligands

01:00pm - 01:20pm USA / Canada - Pacific - April 15, 2021

Brendan Graziano, Presenter | Matthew Vollmer | Connie Lu

Mechanistic investigation of regioselective C-H activation of Lewis basic substrates by a boryl pincer complex

01:20pm - 01:40pm USA / Canada - Pacific - April 15, 2021

Vinh Nguyen, Presenter | Jia Zhou | Wei-Chun Shih | Nattamai Bhuvanesh | Oleg Ozerov

New ligands for tuning metal-carbon multiple bonds.

01:40pm - 02:00pm USA / Canada - Pacific - April 15, 2021

Mr. Ushnish Mandal, Graduate Student, Presenter | Sudarsan Venkatramani | Ion Ghiviriga | Khalil Abboud | Adam Veige

Octaboraneyl nickel complexes: The critical role of secondary coordination sphere hybridization

02:00pm - 02:20pm USA / Canada - Pacific - April 15, 2021

Marcus Drover, Presenter | Joseph Zurakowski

Coordination chemistry of copper, nickel and palladium complexes bearing bidentate redox-active ligands with tunable H-bonding donors and acceptors

02:20pm - 02:40pm USA / Canada - Pacific - April 15, 2021

Ankita Puri, Presenter | Khashayar Rajabimoghadam | Maxime A. Siegler | Isaac Garcia-Bosch

Synthesis of unsymmetrical bisphosphines via secondary phosphine oxides precursors

02:40pm - 03:00pm USA / Canada - Pacific - April 15, 2021

Bryan Nell, Presenter | Ryan Anderson | James Pedroarena | David Tyler

Heterogenised bidentate phosphine-based ruthenium(II) catalysts for ethanol and methanol upgrading to advanced biofuels

03:00pm - 03:20pm USA / Canada - Pacific - April 15, 2021

Folasade Sama, Presenter | Richard Wingad | Duncan Wass

Probing the metal-support interface within an atomically precise inorganic nanocluster

03:20pm - 03:40pm USA / Canada - Pacific - April 15, 2021

Jonathan Kephart, Presenter | Dr. Alexandra Velian

Thursday

ACS Award for Encouraging Women into Careers in the Chemical Sciences: Symposium Honoring Katherine Franz :

01:00pm - 04:00pm USA / Canada - Pacific - April 15, 2021

Debbie Crans, Organizer, Presider | **Catherine Denning, Presider**

Profiling bioavailable metals in the extracellular space towards biomarker discovery for metabolic disorders

01:00pm - 01:19pm USA / Canada - Pacific - April 15, 2021

Marie Heffern, Presenter

Towards understanding the copper-dependent antimicrobial activity of Histatin peptides

01:19pm - 01:35pm USA / Canada - Pacific - April 15, 2021

Annastassia Gallo, Presenter | **Prof. Katherine J. Franz**

Speciation as a tool to demystify the complexity of the biological vanadium chemistry

01:35pm - 01:51pm USA / Canada - Pacific - April 15, 2021

Kateryna Kostenkova, Presenter | **Zeyad Arhouma** | **Debbie Crans**

Unconventional metal-based drugs as potential therapeutic treatments for breast cancer

01:51pm - 02:10pm USA / Canada - Pacific - April 15, 2021

Dr Maria Contel, Presenter

Withdrawn

02:10pm - 02:29pm USA / Canada - Pacific - April 15, 2021

Linear heme metabolites: From urinary pigments to redox-active ligands and luminescent radicals

02:29pm - 02:48pm USA / Canada - Pacific - April 15, 2021

Elisa Tomat, Presenter

Visualizing the dynamic metallation state of metalloβ-lactamase NDM-1 in bacteria using a reversible fluorescent probe

02:48pm - 03:07pm USA / Canada - Pacific - April 15, 2021

Emily Que, Presenter | **Radhika Mehta** | **Walter Fast** | **Dann Rivera**

Shining light on biometals: A look at cellular magnesium and beyond

03:07pm - 03:26pm USA / Canada - Pacific - April 15, 2021

Michael Brady | **Qitian Lin** | **Brismar Pinto-Pacheco** | **Daniela Buccella, Presenter**

Reversible photoresponse in vanadium(V) tartrate clusters containing a mixed-valent intermediate

03:26pm - 03:42pm USA / Canada - Pacific - April 15, 2021

Kalani Edirisinghe, Presenter | **Mayokun Ayodele** | **sima saeedi** | **Malcolm Forbes** | **Travis White** | **Alexis Ostrowski**

Spectroscopic studies of alkali metal cation control of FeII-fluorinated alkoxide complexes' reduction of O₂

03:42pm - 03:58pm USA / Canada - Pacific - April 15, 2021

Lea A. Toubiana, Presenter | Sebastian Stoian | Arnold Rheingold | Prof. Linda H. Doerrer

Concluding Remarks

03:58pm - 04:00pm USA / Canada - Pacific - April 15, 2021

Thursday

Chemistry of Materials: Metal Organic Frameworks:

05:00pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Claus Lugmair, Organizer | Susan Henkelis, Presider | Jenna Mancuso, Presider

Electrochemical deposition and thermoelectric characterisation of a semiconducting 2-D metal-organic framework thin film

05:00pm - 05:20pm USA / Canada - Pacific - April 15, 2021

Maria Gonzalez-Juarez, Presenter | Darren Bradshaw | Iris Nandhakumar | Eduardo Flores | Marisol Martin-Gonzalez

Cu(BDC)_{0.5}(BDC-NH₂)_{0.5}: A superior metal-organic framework for room temperature H₂S remediation

05:20pm - 05:40pm USA / Canada - Pacific - April 15, 2021

Nishesh Gupta, Presenter | Suho Kim | Kwang-Soo Kim

Design principles for charge storage in metal-organic frameworks

05:40pm - 06:00pm USA / Canada - Pacific - April 15, 2021

Jenna Mancuso, Presenter | Christopher Hendon

H₂/CO₂ separations in multicomponent metal-adeninate MOFs with multiple chemically distinct pore environments

06:00pm - 06:20pm USA / Canada - Pacific - April 15, 2021

Zachary Schulte, Presenter | Yeon Hye Kwon | Yi Han | Chong Liu | Lin Li | Yahui Yang | Austin Gamble Jarvi | Sunil Saxena | Gotz Vesper | Karl Johnson | Nathaniel Rosi

Effects of template structure and melting point on the formation of metal oxide phases obtained by calcination of mixed-metal metal-organic frameworks

06:20pm - 06:40pm USA / Canada - Pacific - April 15, 2021

Joshua Powell, Presenter | Tian-Hao Yan | Hongcai J. Zhou

Competitive adsorption of NO_x/SO_x/H₂O in RE-DOBDC MOFs from a complex gas stream

06:40pm - 07:00pm USA / Canada - Pacific - April 15, 2021

Susan Henkelis, Presenter | Dayton Vogel | David Rademacher | Jessica Rimsza | Tina Nenoff

Luminescent "turn-on" detection of toxic molecules using lanthanide-based metal-organic frameworks

07:00pm - 07:20pm USA / Canada - Pacific - April 15, 2021

PRASENJIT DAS, Presenter | Tianyi Luo | David L. White | Alexander Star | Nathaniel Rosi

Modulating separation ability of metal-organic frameworks through morphology engineering

07:20pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Ming Xu, Presenter | Zhi-Yuan Gu

Thursday

Electrochemistry and Electrocatalysis:

05:00pm - 08:00pm USA / Canada - Pacific - April 15, 2021

Nora Radu, Organizer | **Jorge Colon, Presider** | **Hyunho Noh, Presider**

Three-in-one catalyst design: Dramatically enhancing electrocatalytic activity for CO₂ reduction by simultaneously modulating three substituent effects in a single molecular catalyst structure

05:00pm - 05:20pm USA / Canada - Pacific - April 15, 2021

Weixuan Nie, Presenter | **Drew Tarnopol** | **Charles McCrory**

Synthesis and intrinsic electrocatalytic activity evaluation of Ni₂-xRh_xP nanoparticles for water splitting reactions

05:20pm - 05:40pm USA / Canada - Pacific - April 15, 2021

Tharanga Batugedara, Presenter | **Samuel Mutinda** | **Stephanie Brock**

Solvent dependent concerted proton-electron transfer by cobalt porphyrins tethered to carbon electrodes

05:40pm - 06:00pm USA / Canada - Pacific - April 15, 2021

Corey Kaminsky, Presenter | **Yogesh Surendranath**

Experimental and theoretical insights into electrocatalytic hydrogen evolution with triply fused binuclear copper porphyrin

06:00pm - 06:20pm USA / Canada - Pacific - April 15, 2021

SHUBHADEEP CHANDRA, Presenter | **Biprajit Sarkar**

Invariance of the surface O–H bond dissociation free energies of NiO electrodes with solvent, electrolyte, and buffer

06:20pm - 06:40pm USA / Canada - Pacific - April 15, 2021

Hyunho Noh, Presenter | **James Mayer**

Zirconium phosphate supported electrocatalysts for the oxygen-evolution reaction

06:40pm - 07:00pm USA / Canada - Pacific - April 15, 2021

Jorge Colon, Presenter | **Mario Ramos-Garcés** | **Kálery La Luz-Rivera** | **Joel Sanchez** | **Isabel Barraza** | **Yanyu Wu** | **Thomas Jaramillo** | **Dino Villagran**

NiSe₂/CeO₂ nanocomposite as a high-performance electrocatalyst for oxygen evolution reaction

07:00pm - 07:20pm USA / Canada - Pacific - April 15, 2021

Seyyed Heydar Moravvej | **Mohammad Moazzeni** | **Elham Akbarzadeh** | **Davood Taherinia, Presenter**

Atomically precise Au nanoclusters for electrochemical CO₂ reduction

07:20pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Si Te Li, Presenter | **Rongchao Jin**

Mechanistic comparison of [2Fe-2S]-metallopolymer active site analogues for electrocatalytic H₂ production in organic and aqueous media

07:40pm - 08:00pm USA / Canada - Pacific - April 15, 2021

Meghan Hamilton, Presenter | **Metin Karayilan** | **Richard Glass** | **Jeffrey Pyun** | **Dennis Lichtenberger**

Thursday

Inorganic Catalysts:

05:00pm - 08:00pm USA / Canada - Pacific - April 15, 2021

Dr Stephen A. Koch, Organizer | **Jamie Neely, Presider** | **Christopher Zall, Presider**

C–N bond formation using earth-abundant transition metal catalysts: New methods for iron-catalyzed carboamination and manganese-catalyzed C–H amination

05:00pm - 05:20pm USA / Canada - Pacific - April 15, 2021

Jamie Neely, Presenter

Withdrawn

05:20pm - 05:40pm USA / Canada - Pacific - April 15, 2021

Preparation and characterization of a novel silica–KF composite and facile fluorination of aromatic substrates

05:40pm - 06:00pm USA / Canada - Pacific - April 15, 2021

Sagar Patel | **Machchindra Bochare** | **Mariam Degani** | **Ms Sakshi Y. Kasat, Presenter**

Iron-catalyzed carboamination of alkynes by an isolable iron imide complex

06:00pm - 06:20pm USA / Canada - Pacific - April 15, 2021

Corey Richards, Presenter | **Jamie Neely**

Atomically defined nanoclusters as functional models for the electronic metal-support interaction and high catalytic activity for carbodiimide formation

06:20pm - 06:40pm USA / Canada - Pacific - April 15, 2021

Benjamin Mitchell, Presenter | **Andrei Chirila** | **Andrew Boggiano** | **Dr. Alexandra Velian**

The role of ligand-bound CO₂ in the catalytic hydrogenation of CO₂ at a Mn catalyst

06:40pm - 07:00pm USA / Canada - Pacific - April 15, 2021

Kevin Schlenker, Presenter | **Ryan Vanderlinden** | **Caroline Saouma**

Metal-phosphine complexes with embedded organic hydride donors: hydrides in the primary and secondary coordination spheres

07:00pm - 07:20pm USA / Canada - Pacific - April 15, 2021

Christopher Zall, Presenter

Use of density functional theory and first principle thermodynamics in understanding lead oxide surface transformations

07:20pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Joshua Leginze, Presenter | **Ryan Grimes** | **Joseph Bennett**

First principles modeling of lead dissolution thermodynamics in PbCO₃

07:40pm - 08:00pm USA / Canada - Pacific - April 15, 2021

Ryan Grimes, Presenter | **Joshua Leginze** | **Joseph Bennett**

Thursday

Main Group Chemistry:

05:00pm - 07:10pm USA / Canada - Pacific - April 15, 2021

Todd Hudnall, Organizer, Presider | **Francois Gabbai, Presider**

Lewis acidic main group cations for the transport of anions across artificial and cell membranes

05:00pm - 05:20pm USA / Canada - Pacific - April 15, 2021

Gyeongjin Park, Presenter | **François Gabbai**

Conformational switching through one-electron reduction of an acridinium-based γ -cationic phosphine gold complex

05:20pm - 05:40pm USA / Canada - Pacific - April 15, 2021

Wei-Chun Liu, Presenter | **François Gabbai**

Investigating electron transfer in frustrated Lewis pairs

05:40pm - 06:00pm USA / Canada - Pacific - April 15, 2021

Jordan Bentley, Presenter | **Ekadashi Pradhan** | **Tao Zeng** | **Christopher Caputo**

Intermission

06:00pm - 06:10pm USA / Canada - Pacific - April 15, 2021

Photoreductive elimination of chlorobenzene from a bimetallic Ge/Pt complex

06:10pm - 06:30pm USA / Canada - Pacific - April 15, 2021

Mohammadjavad Karimi, Presenter | **François Gabbai**

Metal-free bond activation by boron clusters

06:30pm - 06:50pm USA / Canada - Pacific - April 15, 2021

Gayathri Gange, Presenter | **Dmitry Peryshkov**

Redox-controlled Lewis acidity: From telluride to telluronium cations

06:50pm - 07:10pm USA / Canada - Pacific - April 15, 2021

Benyu Zhou, Presenter | **François Gabbai**

Thursday

Organometallic Chemistry: Applications to Materials and Polymer Science:

05:00pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Jerome R. Robinson, Organizer, Presider

Gold-catalyzed C–H functionalization polycondensation for the synthesis of novel macromolecular structures

05:00pm - 05:20pm USA / Canada - Pacific - April 15, 2021

Eric King, Presenter | **Dr. Joshua Tropp** | **Naresh Eedugurala** | **Lauren Gonce** | **Jason Azoulay**

Photochemistry of (diene)Ru(CO)₃ precursors for photoassisted chemical vapor deposition

05:20pm - 05:40pm USA / Canada - Pacific - April 15, 2021

Christopher Brewer, Presenter | **Nicholas Sheehan** | **Amy Walker** | **Prof. Lisa McElwee-White**

Withdrawn

05:40pm - 06:00pm USA / Canada - Pacific - April 15, 2021

Ruthenium(II) carbonyl halide complexes as focused electron and ion beam induced deposition precursors

06:00pm - 06:20pm USA / Canada - Pacific - April 15, 2021

Jo-Chi Yu, Presenter | Scott Matsuda | Rachel Thorman | Pernille Jensen | Howard Fairbrother | Oddur Ingólfsson | Prof. Lisa McElwee-White

Ethyl zinc and amide zinc thiourea: Reactivity and synthesis towards the formation of heteroleptic zinc complexes

06:20pm - 06:40pm USA / Canada - Pacific - April 15, 2021

Malavika Bhide, Presenter | Claire Carmalt | Caroline Knapp

Balancing accessibility and reactivity: Highly-active catalysts for the ring-opening of cyclic esters by aryl/alkyl beta-diketiminato zinc complexes

06:40pm - 07:00pm USA / Canada - Pacific - April 15, 2021

Jonathan Chellali, Presenter | Alex Alverson | Jerome R. Robinson

Withdrawn

07:00pm - 07:20pm USA / Canada - Pacific - April 15, 2021

Mechanistic studies of rare-earth aminobisphenolate catalyzed isoselective ring-opening polymerization of (rac)-beta butyrolactone

07:20pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Xiang Dong, Presenter | Jerome R. Robinson

Thursday

Organometallic Chemistry: Applications to Organic Transformations:

05:00pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Nora Radu, Organizer | Tulay Atesin, Presider

Theoretical investigation of dichloromethane ligand substitution in $[(\eta^5\text{-C}_5\text{H}_5)\text{Re}(\text{NO})(\text{PPh}_3)(\text{ClCH}_2\text{Cl})]^+$, a functional equivalent of a chiral Lewis acid

05:00pm - 05:20pm USA / Canada - Pacific - April 15, 2021

Mr. Tavechai Wititsuwannakul, Presenter | Michael Hall | John Gladysz

Pincer-ruthenium complexes in catalytic conversions: Synthesis of high value fuels and specialty chemicals

05:20pm - 05:40pm USA / Canada - Pacific - April 15, 2021

Dr Akshai Kumar Alape Seetharam, Assistant Professor, Presenter | KANU DAS

Photochemical C-H activation using Mo(VI) dioxo complexes

05:40pm - 06:00pm USA / Canada - Pacific - April 15, 2021

Saeed Fosshat, Presenter | Matthew Chambers

Conformational analysis of [Ni(dippe)] fragment using molecular mechanical and quantum mechanics calculations

06:00pm - 06:20pm USA / Canada - Pacific - April 15, 2021

Jennifer Sanchez, Presenter | Iubna Kader | Juliana Rodriguez | Abdurrahman Atesin | William Jones | Tulay Atesin

DFT investigation of the C—CN bond activation of fluorinated benzonitriles with [Ni(dippe)] fragment

06:20pm - 06:40pm USA / Canada - Pacific - April 15, 2021

Dominique C. Gallegos, Presenter | Iubna Kader | Orion Nguyen | Abdurrahman Atesin | William Jones | Tulay Atesin

C—CN bond activation of fluorinated benzonitriles using a zerovalent nickel complex

06:40pm - 07:00pm USA / Canada - Pacific - April 15, 2021

Tulay Atesin, Presenter | **Abdurrahman Atesin** | **Sébastien Lachaize** | **William Jones** | **Elizabeth Gomez** | **Juliana Rodriguez** | **Orion Nguyen**

Cobalt-catalyzed dehydrogenative coupling reactions: Two examples of catalytic applications

07:00pm - 07:20pm USA / Canada - Pacific - April 15, 2021

Keying Ding, Presenter

Preparation of arylgermanes for cross-coupling reactions

07:20pm - 07:40pm USA / Canada - Pacific - April 15, 2021

Ming-Uei Hung, Presenter | **Yohannes Rezenom** | **Nattamai Bhuvanesh** | **Oleg Ozerov**

Thursday

Organometallic Chemistry: Synthesis and Characterization- Late Transition Metals:

05:00pm - 07:00pm USA / Canada - Pacific - April 15, 2021

Nora Radu, Organizer | **Rudolf Wehmschulte, Presider**

Copper(I) cyclopropene complexes: Synthesis and application

05:00pm - 05:20pm USA / Canada - Pacific - April 15, 2021

Anurag Noonikara Poyil, Presenter | **Rasika Dias**

High-throughput screening and automated data-driven analysis of the triplet photophysical properties of structurally diverse, heteroleptic iridium(III) complexes

05:20pm - 05:40pm USA / Canada - Pacific - April 15, 2021

Stephen DiLuzio, Presenter | **Velabo Mdluli** | **Dr Timothy Connell** | **Jacqueline Lewis** | **Victoria VanBenschoten** | **Stefan Bernhard**

1-Ammonio-closo-dodecaborates: Poor Man's Carborates?

05:40pm - 06:00pm USA / Canada - Pacific - April 15, 2021

Rudolf Wehmschulte, Presenter | **Brittany Bayliss** | **Sydney Reed** | **Corey Wesenberg** | **Pierpaolo Morgante** | **Roberto Peverati** | **Daniela Tolosa** | **Douglas Powell**

Mechanism of perfluoronickelacyclopentane formation: Effects of ancillary ligand bite angle

06:00pm - 06:20pm USA / Canada - Pacific - April 15, 2021

Luana Porto, Presenter | **Russell Hughes** | **R Baker**

Taming a paramagnetic personality: Synthesis and reactivity of d⁴ Mn(III) perfluorometallacycles

06:20pm - 06:40pm USA / Canada - Pacific - April 15, 2021

Bakr Barnawi, Presenter | **R Baker** | **Jeffrey S. Ovens**

Lactones from ferrocene-bound keto-carboxylic acids

06:40pm - 07:00pm USA / Canada - Pacific - April 15, 2021

Dr. Uttam R. Pokharel, Presenter | **Autumn Andras** | **Brennan Curole** | **Frank Fronczek**