

F. Albert Cotton Award in Synthetic Inorganic Chemistry (2021): Symposium honoring Marinella Mazzanti:

09:00am - 11:45am USA / Canada - Pacific - April 12, 2021

[Rebecca Abergel, Organizer, Presider](#) | [Greg Nocton, Organizer, Presider](#)

Monday

Introductory Remarks

09:00am - 09:05am USA / Canada - Pacific - April 12, 2021

Monday

Recent developments in low oxidation state uranium and thorium chemistry

09:05am - 09:35am USA / Canada - Pacific - April 12, 2021

[William Evans, Presenter](#)

Comparison of neptunium halide complexes with their early actinide counterparts

09:35am - 09:55am USA / Canada - Pacific - April 12, 2021

[Suzanne Bart, Presenter](#) | [Diana Perales](#) | [Megan Whitefoot](#) | [Matthias Zeller](#)

Probing the redox chemistry of the early actinides by emission spectroscopy

09:55am - 10:15am USA / Canada - Pacific - April 12, 2021

[Adam Woodward](#) | [Sean Woodall](#) | [Andrew Ward](#) | [Stanley Botchway](#) | [Jonathan Lloyd](#) | [Andrew Kerridge](#) | [Louise Natrajan, Presenter](#)

Exploring known and new high oxidation states in gas-phase complexes of F-elements

10:15am - 10:30am USA / Canada - Pacific - April 12, 2021

[Ziad Shafi, Presenter](#) | [John Gibson](#)

Monday

Intermission

10:30am - 10:45am USA / Canada - Pacific - April 12, 2021

Track: [INOR] Division of Inorganic Chemistry

Monday

Advancing ^{134}Ce and ^{134}La as a PET imaging duo for alpha-emitting ^{225}Ac and ^{227}Th radiotherapeutics

10:45am - 11:05am USA / Canada - Pacific - April 12, 2021

[Stosh Kozimor, Presenter](#) | [Rebecca Abergel](#) | [Dahlia An](#) | [Tyler Bailey](#) | [Stacey Gauny](#) | [Andrew Lakes](#) | [Veronika Mocko](#) | [Francois Nortier](#) | [Ellen O'Brien](#) | [Katherine Shield](#)

Isolation and characterization of a covalent CeIV -Aryl complex with an anomalous 13C chemical shift

11:05am - 11:20am USA / Canada - Pacific - April 12, 2021

[Grace Panetti, Presenter](#) | [Dumitru-Claudiu Sergentu](#) | [Michael Gau](#) | [Patrick Carroll](#) | [Jochen Autschbach](#) | [Patrick Walsh](#) | [Eric Schelter](#)

Optimizing the stability of low-valent f-elements with macrocyclic organic ligands

11:20am - 11:35am USA / Canada - Pacific - April 12, 2021

[Todd Poe, Presenter](#) | [Thomas Albrecht-Schönzart](#)

Concluding Remarks

11:35am - 11:45am USA / Canada - Pacific - April 12, 2021

Monday

Gabor A. Somorjai Award for Creative Research in Catalysis (2021): Symposium honoring Paul J Chirik:

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

[Tianning Diao, Organizer](#) | [Megan Mohadjer Beromi, Presider](#)

Monday

[Carbonyl- and imine-olefin photocycloadditions enabled by metal-to-ligand charge transfer processes](#)

09:00am - 09:25am USA / Canada - Pacific - April 12, 2021

[Valerie Schmidt, Presenter](#)

[Advances in cross-coupling reactions for the generation of chiral molecules](#)

09:25am - 09:50am USA / Canada - Pacific - April 12, 2021

[Cathleen Crudden, Presenter](#) | [Maskazu Nambo](#) | [Yuki Maekawa](#) | [Zachary Ariki](#)

[Enantioselective catalysts for epoxide polymerization](#)

09:50am - 10:15am USA / Canada - Pacific - April 12, 2021

[Geoffrey Coates, Presenter](#)

[Visible-light-enhanced cobalt-catalyzed hydrogenation: Switchable catalysis enabled by divergence between thermal and photochemical pathways](#)

10:15am - 10:35am USA / Canada - Pacific - April 12, 2021

[Lauren Mendelsohn, Presenter](#) | [Connor MacNeil](#) | [Lei Tian](#) | [Yoonsu Park](#) | [Gregory Scholes](#) | [Professor Paul J. Chirik](#)

Monday

[Intermission](#)

10:35am - 10:45am USA / Canada - Pacific - April 12, 2021

Monday

[Novel ligands and reactions for nickel catalysis - Application to value-added reaction in the pharmaceutical industry](#)

10:45am - 11:10am USA / Canada - Pacific - April 12, 2021

[Dr. Sebastien Monfette, Presenter](#)

[Development of a platform for Earth-abundant metal catalysis at BMS and application to the synthesis of complex pharmaceutical intermediates](#)

11:10am - 11:35am USA / Canada - Pacific - April 12, 2021

[Eric Simmons, Presenter](#) | [Steven Wisniewski](#)

[Group 4 ureate catalysts for the catalytic addition of amines to alkenes by hydroaminoalkylation](#)

11:35am - 12:00pm USA / Canada - Pacific - April 12, 2021

[Laurel Schafer, Presenter](#)

Monday

[Chemistry of Materials: Materials for Energy and Catalytic Applications:](#)

09:00am - 11:40am USA / Canada - Pacific - April 12, 2021

[Claus Lugmair, Organizer](#) | [Joseph Bennett, Presider](#) | [Jules Moutet, Presider](#)

Monday

[Data-enabled discovery of new materials for energy generation and energy storage](#)

09:00am - 09:20am USA / Canada - Pacific - April 12, 2021

[Joseph Bennett, Presenter](#)

[Photoelectrochemical properties of dyads composed of porphyrin/ruthenium catalyst grafted on metal oxide semiconductors](#)

09:20am - 09:40am USA / Canada - Pacific - April 12, 2021

[Georgios Charalambidis, Presenter](#) | [Dr. Asterios Charisiadis](#) | [Eleni Glymenaki](#) | [Aurélien Planchat](#) | [Sofia Margiola](#) | [Emmanouil Nikoloudakis](#) | [Vasilis Nikolaou](#) | [Athanasios Coutsoulelos](#) | [Odobel Fabrice](#)

[Effect of fluorination on opto-electronic properties of zinc\(II\) di\(naphthylethynyl\)azadipyrromethene for organic photovoltaic applications](#)

09:40am - 10:00am USA / Canada - Pacific - April 12, 2021

[Muyuan Zhao, Presenter](#) | [Chunlai Wang, Presenter](#) | [Jayvic Cristian Jimenez, Presenter](#) | [Genevieve Sauve, Presenter](#)

[Exploiting the hydrogen storage properties of ammonia borane with the addition of polyacrylic acid and calcium chloride: Thermal and kinetic studies](#)

10:00am - 10:20am USA / Canada - Pacific - April 12, 2021

[Haley Snyder, Presenter](#) | [Ambriana Sykes](#) | [Emily Ingram](#) | [Ozge Gunaydin-Sen](#)

[Effect of solubilizing groups on non-planar molecular acceptors based on azadipyrromethenes for organic photovoltaics applications](#)

10:20am - 10:40am USA / Canada - Pacific - April 12, 2021

[Jayvic Cristian Jimenez, Presenter](#) | [Muyuan Zhao](#) | [Lei Zhu](#) | [Arnold Rheingold](#) | [Genevieve Sauve](#)

[Dielectric loss processes and heating of Na doped \$\alpha\$ -Al₂O₃ under microwave radiation](#)

10:40am - 11:00am USA / Canada - Pacific - April 12, 2021

[Anthony Hoffman, Presenter](#) | [Christina Wildfire](#) | [Albert Stiegman](#)

[Fabrication of V₂O₅ decorated carbon fibers using asphaltene from solvent-de-asphalting for energy storage application](#)

11:00am - 11:20am USA / Canada - Pacific - April 12, 2021

[Desirée Leistenschneider, Presenter](#) | [Peiyuan Zuo](#) | [Yuna Kim](#) | [Zahra Abedi](#) | [Weixing Chen](#)

[Symmetric organic redox flow battery model based on a helical carbenium ion electrolyte](#)

11:20am - 11:40am USA / Canada - Pacific - April 12, 2021

[Jules Moutet, Presenter](#) | [Thomas Gianetti](#)

Monday

[Coordination Chemistry: Synthesis and Characterization:](#)

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

[Anna Larsen, Organizer](#) | [Evan Joslin, Presider](#) | [Elisabeth Fatila, Presider](#)

Monday

[Synthesis and reactivity of ampy-based ruthenium\(II\) catalysts for lactam formation](#)

09:00am - 09:20am USA / Canada - Pacific - April 12, 2021

[Evan Joslin, Presenter](#)

[Mapping basicity of 3d and 4d metal nitrides: A DFT study](#)

09:20am - 09:40am USA / Canada - Pacific - April 12, 2021

[Waad Alharbi, Presenter](#) | [Thomas Cundari](#)

[Bio-inspired nickel complexes supported by an iron-metalloligand](#)

09:40am - 10:00am USA / Canada - Pacific - April 12, 2021

[Jacob R Prat, Presenter](#) | [Carlo Gaggioli](#) | [Ryan Cammarota](#) | [Eckhard Bill](#) | [Laura Gagliardi](#) | [Connie Lu](#)

[Synthesis of SCO FeII complexes with novel \$\pi\$ -extended 2,2'-biimidazole ligands](#)

10:00am - 10:20am USA / Canada - Pacific - April 12, 2021

[Sandugash Yergeshbayeva, Presenter](#) | [Michael Shatruk](#)

[Room for improvement: Lessons learned from the mechanochemical synthesis of lanthanide coordination complexes](#)

10:20am - 10:40am USA / Canada - Pacific - April 12, 2021

[Elisabeth Fatila, Presenter](#) | [Matt Gordon](#) | [Hannah Ashberry](#) | [Sara Skrabalak](#) | [S D P Deepthi Y. Chappidi](#) | [Riley Cooper](#) | [Brandon Cooper](#)

[Synthesis and characterization of Mo\(V\) and Mo\(VI\) perfluorinated pinacolate complexes](#)

10:40am - 11:00am USA / Canada - Pacific - April 12, 2021

[Thor Mdalel, Presenter](#) | [Sikyung Choi](#) | [Benista Owusu-Amo](#) | [Arnold rheingold](#) | [Prof. Linda H. Doerrer](#)

[Oxidative and nucleophilic reactivity of a proposed water- and air-tolerant {Mn\(III\)OH} species](#)

11:00am - 11:20am USA / Canada - Pacific - April 12, 2021

[Shawn Moore, Presenter](#) | [Arnold Rheingold](#) | [Prof. Linda H. Doerrer](#)

[Co-Cyclam catalyst ligand design for hybrid photocatalytic CO₂ reduction](#)

11:20am - 11:40am USA / Canada - Pacific - April 12, 2021

[Ethan Jarvis, Presenter](#) | [Peipei Huang](#) | [Gonghu Li](#) | [Christine Caputo](#)

[Synthesis and characterization of a library of Co\(II\) triphenylamido-amine reagents and its application to the catalytic aziridination of olefinic substrates](#)

11:40am - 12:00pm USA / Canada - Pacific - April 12, 2021

[Anshika Kalra, Presenter](#)

Monday

[Gabor A. Somorjai Award for Creative Research in Catalysis \(2021\): Symposium honoring Paul J Chirik:](#)

01:00pm - 04:00pm USA / Canada - Pacific - April 12, 2021

[Tianning Diao, Organizer](#) | [Lauren Mendelsohn, Presider](#)

Monday

[Building unprecedented uranium-nitrogen multiple bonds](#)

01:00pm - 01:25pm USA / Canada - Pacific - April 12, 2021

[Suzanne Bart, Presenter](#) | [Tyler Collins](#) | [Ezra Coughlin](#) | [Matthias Zeller](#)

Monday

[Pentadentate ligand platforms for small molecule activation: Ammonia](#)

01:25pm - 01:50pm USA / Canada - Pacific - April 12, 2021

[Warren Piers, Presenter](#) | [Lucie Nurdin](#) | [Christopher Almquist](#) | [Evan Patrick](#) | [Laurent Maron](#) | [Benjamin Gelfand](#)

[Exploring fundamental reactions relevant to iron-catalyzed cross-coupling: strong-field CNC ligands enable two-electron chemistry](#)

01:50pm - 02:10pm USA / Canada - Pacific - April 12, 2021

[Paul Peterson, Presenter](#) | [Professor Paul J. Chirik](#)

[Using ancillary ligands to modulate palladium\(II\) redox potentials](#)

02:10pm - 02:25pm USA / Canada - Pacific - April 12, 2021

[David Bruns, Presenter](#) | [Jamal Musaev](#) | [Shannon Stahl](#)

Monday

Intermission

02:25pm - 02:35pm USA / Canada - Pacific - April 12, 2021

Track: [INOR] Division of Inorganic Chemistry

Monday

Paramagnetic, square-planar iron carbenes: Insights into electronic structure and reactivity

02:35pm - 03:00pm USA / Canada - Pacific - April 12, 2021

Carsten Milsmann, Presenter

Understanding the origins of regioselectivity in cobalt-catalyzed C(sp²)-H borylation

03:00pm - 03:20pm USA / Canada - Pacific - April 12, 2021

Tyler Pabst, Presenter | **Linda Quach** | **Jennifer Obligacion** | **Professor Paul J. Chirik**

Mechanistic study of Ni-catalyzed reductive 1,2-dicarbonyl functionalization of alkenes

03:20pm - 03:35pm USA / Canada - Pacific - April 12, 2021

Qiao Lin, Presenter

Accessing "good catalysis" in palladium-catalyzed C-H aerobic oxidation reactions

03:35pm - 04:00pm USA / Canada - Pacific - April 12, 2021

Chase Salazar | **Shannon Stahl, Presenter**

Monday

National Fresenius Award (2020): Symposium Honoring Kyle M, Lancaster:

01:00pm - 04:00pm USA / Canada - Pacific - April 12, 2021

Jonathan Caranto, Organizer, Presider

Monday

Introductory Remarks

01:00pm - 01:10pm USA / Canada - Pacific - April 12, 2021

Track: [INOR] Division of Inorganic Chemistry

Monday

Combined spectroscopic and computational studies of biological methane oxidation

01:10pm - 01:30pm USA / Canada - Pacific - April 12, 2021

Serena DeBeer, Presenter

Exploring ocean worlds: The search for life and interesting chemistry throughout the solar system

01:30pm - 01:50pm USA / Canada - Pacific - April 12, 2021

Morgan Cable, Presenter

Studies of the effects of simulated space weathering on transition metal oxidation states

01:50pm - 02:10pm USA / Canada - Pacific - April 12, 2021

Roberto Colina-Ruiz | **Hope Ishii** | **Jeffrey Gillis-Davis** | **Dimosthenis Sokaras** | **Thomas Kroll** | **Richard Walroth, Presenter**

Reactivity and electronic structure of polynuclear metal complexes

02:10pm - 02:30pm USA / Canada - Pacific - April 12, 2021

Leslie Murray, Presenter

Discussion

02:30pm - 02:45pm USA / Canada - Pacific - April 12, 2021

Track: [INOR] Division of Inorganic Chemistry

Monday

[What led up to the inverted ligand field concept](#)

02:45pm - 03:05pm USA / Canada - Pacific - April 12, 2021

[Roald Hoffmann, Presenter](#)

[Uncovering ligand field inversion in a biochemical model of acetyl coenzyme A synthase using pulsed EPR spectroscopy](#)

03:05pm - 03:25pm USA / Canada - Pacific - April 12, 2021

[Hannah Shafaat, Presenter](#) | [Effie Kisgeropoulos](#) | [Anastasia Manesis](#)

[Adventures in chemical bonding](#)

03:25pm - 03:45pm USA / Canada - Pacific - April 12, 2021

[Theodore Betley, Presenter](#)

[Discussion](#)

03:45pm - 04:00pm USA / Canada - Pacific - April 12, 2021

Monday

[Chemistry of Materials: Metal Organic Frameworks:](#)

01:00pm - 03:40pm USA / Canada - Pacific - April 12, 2021

[Claus Lugmair, Organizer](#) | [Christopher Hendon, Presider](#) | [Dr Gregory Arzoumanidis, Presider](#)

Monday

[Structural features of zirconium-based metal-organic frameworks affecting radiolytic stability](#)

01:00pm - 01:20pm USA / Canada - Pacific - April 12, 2021

[Sylvia Hanna, Presenter](#) | [David Rademacher](#) | [Donald Hanson](#) | [Melissa Fairley](#) | [Alyssa Olszewski](#) | [Timur Islamoglu](#) | [Jay LaVerne](#) | [Tina Nenoff](#) | [Omar Farha](#)

[MOFs and MOF-polymer hybrid materials for the degradation of chemical warfare agents](#)

01:20pm - 01:40pm USA / Canada - Pacific - April 12, 2021

[Mark Kalaj, Presenter](#) | [Seth Cohen](#)

[Direct metallation of 2-phenyl-1H-indole \(PI\) with MCl₄ \(M=Ti or Zr\). Effect of the PI:MCl₄ molar ratio on the formation of two different metallated complexes](#)

01:40pm - 02:00pm USA / Canada - Pacific - April 12, 2021

[Dr Gregory Arzoumanidis, Presenter](#)

[Preparation of metal-organic framework/polymer composites through morphology transcription](#)

02:00pm - 02:20pm USA / Canada - Pacific - April 12, 2021

[Kunyu Wang, Presenter](#) | [Hongcai Zhou](#)

[Soft Mode metal-linker dynamics in MOFs](#)

02:20pm - 02:40pm USA / Canada - Pacific - April 12, 2021

[Christopher Hendon, Presenter](#) | [Carl Brozek](#)

[Well-defined donor-acceptor covalent-organic frameworks](#)

02:40pm - 03:00pm USA / Canada - Pacific - April 12, 2021

[Gabrielle Leith, Presenter](#) | [Natalia Shustova](#)

[2D metal-organic frameworks with single-component white-light-emission and blue emission](#)

03:00pm - 03:20pm USA / Canada - Pacific - April 12, 2021

[Abdul Peedikakkal, Presenter](#)

[Structure and property analysis of metal-organic framework nanocrystals by three-dimensional electron diffraction](#)

03:20pm - 03:40pm USA / Canada - Pacific - April 12, 2021

[Dr. Zhehao Huang, Presenter](#)

Monday

[ACS Award in Inorganic Nanoscience \(2020\) Symposium Honoring Richard Leo Brutchey:](#)

01:00pm - 04:00pm USA / Canada - Pacific - April 12, 2021

[Raffaella Buonsanti, Organizer, Presider](#) | [Prof. Andrew Greytak, Organizer, Presider](#) | [Emily Weiss, Organizer, Presider](#)

Monday

[Introductory Remarks](#)

01:00pm - 01:10pm USA / Canada - Pacific - April 12, 2021

Monday

[Symmetry breaking charge transfer in BODIPY, dipyrdimethene and dipyrin dimers](#)

01:10pm - 01:25pm USA / Canada - Pacific - April 12, 2021

[Mark E. Thompson, Presenter](#) | [Professor Stephen E. Bradforth](#) | [Laura Estergreen](#) | [Austin Mencke](#)

[Nanopatterning inorganic materials via self-assembly of block copolymers](#)

01:25pm - 01:40pm USA / Canada - Pacific - April 12, 2021

[Prof. Jillian M. Buriak, Ph.D., Presenter](#)

[Structural insight into doped and alloyed germanium nanoparticles prepared via microwave synthesis](#)

01:40pm - 01:55pm USA / Canada - Pacific - April 12, 2021

[Susan Kauzlarich, Presenter](#)

[Investigating nanocrystal surface chemistry through chromatography and calorimetry](#)

01:55pm - 02:10pm USA / Canada - Pacific - April 12, 2021

[Prof. Andrew Greytak, Presenter](#)

[Unusual binary and ternary metallic nanoparticles and some applications in catalysis and electrocatalysis](#)

02:10pm - 02:25pm USA / Canada - Pacific - April 12, 2021

[Simon Humphrey, Presenter](#)

Monday

[Intermission](#)

02:25pm - 02:40pm USA / Canada - Pacific - April 12, 2021

Monday

[Mild and selective reduction of nitrate in the absence of noble metals](#)

02:40pm - 02:55pm USA / Canada - Pacific - April 12, 2021

[Javier Vela, Presenter](#) | [Lin Wei](#)

[Nanostructured metal phosphide catalysts for renewable carbon conversion processes](#)

02:55pm - 03:10pm USA / Canada - Pacific - April 12, 2021

[Susan Habas, Presenter](#) | [Courtney Downes](#) | [Nicole LiBretto](#) | [Frederick Baddour](#) | [Daniel Ruddy](#) | [Kurt Van Allsburg](#) | [Sean Tacey](#) | [Carrie Farberow](#) | [Joshua Schaidle](#)

[Design and synthesis of organometallic network materials](#)

03:10pm - 03:25pm USA / Canada - Pacific - April 12, 2021

[Joshua Figueroa, Presenter](#)

[Expanding the synthetic toolbox to access mixed-halide materials](#)

03:25pm - 03:40pm USA / Canada - Pacific - April 12, 2021

[Federico A. Rabuffetti, Presenter](#)

[Static and dynamic magnetic order in metal-halide and metal-chalcogenide nanocrystals](#)

03:40pm - 03:55pm USA / Canada - Pacific - April 12, 2021

[Daniel Gamelin, Presenter](#)

[Concluding Remarks](#)

03:55pm - 04:00pm USA / Canada - Pacific - April 12, 2021

Monday

[Chemistry of Materials: Metal Organic Frameworks:](#)

05:00pm - 07:40pm USA / Canada - Pacific - April 12, 2021

[Claus Lugmair, Organizer](#) | [Dr. Monica C. So, Presider](#) | [Yangyang Liu, Presider](#)

Monday

[Templating cooperative active sites in metal-organic frameworks](#)

05:00pm - 05:20pm USA / Canada - Pacific - April 12, 2021

[Dianne Xiao, Presenter](#) | [Jackson Geary](#) | [Dawei Xiao](#) | [Jiahao Wan](#)

[Synthesis and characterization of novel metal-organic polymers constructed from Kuratowski clusters](#)

05:20pm - 05:40pm USA / Canada - Pacific - April 12, 2021

[Mr. QIAO LIU, Presenter](#) | [Casey Wade](#)

[Dynamic tailoring of photochromic metal-organic frameworks](#)

05:40pm - 06:00pm USA / Canada - Pacific - April 12, 2021

[Corey Martin, Presenter](#) | [Natalia Shustova](#)

[Accelerated discovery of conductive metal-organic frameworks by machine learning](#)

06:00pm - 06:20pm USA / Canada - Pacific - April 12, 2021

[Celia Todd](#) | [Nicholas S. Barnett](#) | [Carlos Melchor](#) | [Susana Uribe](#) | [Stewart He](#) | [Dr. Monica C. So, Presenter](#)

[Metal functionalization of UiO metal-organic frameworks](#)

06:20pm - 06:40pm USA / Canada - Pacific - April 12, 2021

[Robert Brevik, Presenter](#) | [Ainara Nova](#) | [Torstein Fjermestad](#)

[Optimizing metal-organic framework catalysts for the detoxification of chemical warfare agents](#)

06:40pm - 07:00pm USA / Canada - Pacific - April 12, 2021

[Yangyang Liu, Presenter](#)

[Continuous electrical conductivity variation in two-dimensional metal-organic framework alloys](#)

07:00pm - 07:20pm USA / Canada - Pacific - April 12, 2021

[Tianyang Chen, Presenter](#) | [Jinhu Dou](#) | [Luming Yang](#) | [Chenyue Sun](#) | [Nicole LiBretto](#) | [Grigorii Skorupskii](#) | [Jeffrey Miller](#) | [Mircea Dinca](#)

[Investigating magnetic properties of a metal-organic framework](#)

07:20pm - 07:40pm USA / Canada - Pacific - April 12, 2021

[Pagnareach Tin, Presenter](#) | [Nhat Bui](#) | [Mykhaylo Ozerov](#) | [Jurek Krzystek](#) | [Zhang Yi-Quan](#) | [Yongqiang Cheng](#) | [Luke Daemen](#) | [Likai Song](#) | [Dong Shao](#) | [Xin-Yi Wang](#) | [Xue-Tai Chen](#) | [Ziling Xue](#)

Monday

[Chemistry of Materials: Nanomaterials:](#)

05:00pm - 08:00pm USA / Canada - Pacific - April 12, 2021

[Claus Lugmair, Organizer](#) | [Clare Davis-Wheeler Chin, Presider](#)

Monday

[Ultrafast and controllable synthesis of metastable nanomaterials by flash Joule heating](#)

05:00pm - 05:20pm USA / Canada - Pacific - April 12, 2021

[Weiyin Chen, Presenter](#) | [Ksenia Bets](#) | [Boris Yakobson](#) | [James Tour](#)

[Reversible control of the aliovalent magnetic dopants in Ti\(IV\)-based oxide nanocrystals](#)

05:20pm - 05:40pm USA / Canada - Pacific - April 12, 2021

[Muhammad Abdullah, Presenter](#) | [Kevin Kittilstved](#)

[Single atom manipulation on metal nanoclusters for properties control](#)

05:40pm - 06:00pm USA / Canada - Pacific - April 12, 2021

[Yingwei Li, Presenter](#)

[Synthesis and characterization of monodisperse ZnS nanocrystals](#)

06:00pm - 06:20pm USA / Canada - Pacific - April 12, 2021

[Ellie Bennett, Presenter](#) | [Matthew Greenberg](#) | [Abraham Jordan](#) | [Leslie Hamachi](#) | [Jonathan Owen](#)

[Liquid crystalline behavior and photoluminescence of lanthanide decanoate nanoparticles synthesized by microwave radiation](#)

06:20pm - 06:40pm USA / Canada - Pacific - April 12, 2021

[Clare Davis-Wheeler Chin, Presenter](#) | [Harold Lee](#) | [James Griego](#) | [LaRico Treadwell](#)

[Post-synthetic manipulation of composition and plasmonic behavior of copper chalcogenide nanoparticles](#)

06:40pm - 07:00pm USA / Canada - Pacific - April 12, 2021

[Katherine Plass, Presenter](#)

[Physiochemical and mechanical study of gellan gum incorporating TiO₂ nanostructures biofilm for anti-bac wound healing dressing](#)

07:00pm - 07:20pm USA / Canada - Pacific - April 12, 2021

[Mohd Hasmizam Razali, Presenter](#)

[Plasmonic spinel oxide nanocrystals afford Purcell-enhanced emission in the infrared](#)

07:20pm - 07:40pm USA / Canada - Pacific - April 12, 2021

[Ekaterina Dolgoplova, Presenter](#) | [Dongfang Li](#) | [John Watt](#) | [Carlos Rios](#) | [Juejun Hu](#) | [Ravi Kukkadapu](#) | [Riya Bose](#) | [Anton Malko](#) | [Anastasia Blake](#) | [Sergei Ivanov](#) | [Han Htoon](#) | [Hou-Tong Chen](#) | [Ghanshyam Pilania](#) | [Jennifer Hollingsworth](#)

[How silver nanostructures enhance the fluorescence of a model hybrid nanoparticle-fluorophore system](#)

07:40pm - 08:00pm USA / Canada - Pacific - April 12, 2021

[Nicholas Dogantzis, Presenter](#) | [Gregory Hodgson](#) | [Stefania Impellizzeri](#)

Monday

[Nanoscience:](#)

05:00pm - 08:00pm USA / Canada - Pacific - April 12, 2021

[Brian Trewyn, Organizer, Presider](#)

Monday

[Nanoelectronic circuit elements based on metal-molecular networks](#)

05:00pm - 05:20pm USA / Canada - Pacific - April 12, 2021

[Eberechukwu V. Amadi, Presenter](#) | [Anusha Venkataraman](#) | [Tristan Zaborniak](#) | [Chris Papadopoulos](#)

[Acetate assisted synthesis of ceria nanoparticles: Effect of dopant for the production of reactive oxygen species](#)

05:20pm - 05:40pm USA / Canada - Pacific - April 12, 2021

[Deepa Choudhry, Presenter](#) | [Tamra Fisher](#) | [Kaitlynn Derr](#) | [Soodabeh Azadehranjbar](#) | [Daniel Stasko](#) | [Chin Cheung](#)

[N-acyclic carbene functionalized gold nanoparticles](#)

05:40pm - 06:00pm USA / Canada - Pacific - April 12, 2021

[Guilherme Rubio, Presenter](#) | [Bernhard Keppler](#) | [Jia Min Chin](#) | [Michael Reithofer](#)

[Expanding particle-in-a-box solutions to nanocluster electronic structure](#)

06:00pm - 06:20pm USA / Canada - Pacific - April 12, 2021

[Hanna Morales, Presenter](#) | [Christopher Johnson](#)

[Mesostructured metal superconductors via block copolymer nanocomposites: Quantum metamaterials from soft matter](#)

06:20pm - 06:40pm USA / Canada - Pacific - April 12, 2021

[Randal Thedford, Presenter](#) | [Sol Gruner](#) | [Ulrich Wiesner](#)

[Quantitative characterization of the electronic structure of small gold nanoclusters](#)

06:40pm - 07:00pm USA / Canada - Pacific - April 12, 2021

[Jonathan Fagan, Presenter](#) | [Christopher Johnson](#)

[Novel synthesis of lanthanide borates and borides](#)

07:00pm - 07:20pm USA / Canada - Pacific - April 12, 2021

[Marissa Ringgold, Presenter](#)

[Surface chemistry and thermodynamic investigation of CsPbBr₃ nanocrystals via isothermal titration calorimetry](#)

07:20pm - 07:40pm USA / Canada - Pacific - April 12, 2021

[SAKIRU L. ABIODUN, Presenter](#) | [Megan Gee](#) | [Perry Pellechia](#) | [Andrew Greytak](#)

[Efficient removal of arsenic \(V\) from water by mechanochemically synthesized spinel ferrite magnetic nanoparticles](#)

07:40pm - 08:00pm USA / Canada - Pacific - April 12, 2021

[Chamari Weththasingha, Presenter](#) | [Tarek Trad](#) | [Morgan Johnson](#) | [Lucy Hendrickson](#)

Monday

[Organometallic Chemistry: Synthesis and Characterization- Late Transition](#)

[Metals:](#)

05:00pm - 07:20pm USA / Canada - Pacific - April 12, 2021

[Nora Radu, Organizer](#) | [François Gabbai, Presider](#)

Monday

[Characterization of a divalent cobalt corrole anion](#)

05:00pm - 05:20pm USA / Canada - Pacific - April 12, 2021

[Christopher Reyes, Presenter](#)

[Revisiting the electronic structure and electrochemical properties of cyclopentadienyl cobalt complexes with a phenylenediamine ligand](#)

05:20pm - 05:40pm USA / Canada - Pacific - April 12, 2021

[Minzhu Zou, Presenter](#) | [Kate Waldie](#)

[Blue-emissive fac/mer-iridium \(III\) NHC carbene complexes and their application in OLEDs](#)

05:40pm - 06:00pm USA / Canada - Pacific - April 12, 2021

[Muazzam Idris](#) | [Savannah Kapper, Presenter](#) | [Abigail Tadle](#) | [Thilini Batagoda](#) | [Daniel Sylvinson Muthiah Ravinson](#) | [Opeoluwa Abimbola](#) | [Peter Djurovich](#) | [Jongchan Kim](#) | [Caleb Coburn](#) | [Stephen Forrest](#) | [Mark E. Thompson](#)

[Developing molecular electrocatalysts for fuel oxidation](#)

06:00pm - 06:20pm USA / Canada - Pacific - April 12, 2021

[Sriram Katipamula, Presenter](#) | [Kate Waldie](#)

[Activation of small molecules by ruthenium \(BB\)-carbonyne](#)

06:20pm - 06:40pm USA / Canada - Pacific - April 12, 2021

[Chathumal Jayaweera, Presenter](#) | [Dmitry Peryshkov](#)

[Intramolecularly base-stabilized antimony-platinum complexes as electrophilic catalysts](#)

06:40pm - 07:00pm USA / Canada - Pacific - April 12, 2021

[Jesse Smith, Presenter](#) | [Haifeng Yang](#) | [François Gabbai](#)

[Synthesis and characterization of platinum molecular squares comprised of Pt\(II\) corners and butadienediyl linkers](#)

07:00pm - 07:20pm USA / Canada - Pacific - April 12, 2021

[Brenna Collins, Presenter](#) | [Mr. Andreas Ehnborn](#) | [Michael Hall](#) | [John Gladysz](#)