



CSP at Virtual ACS 2020

August 17-20

Monday, August 17

CATL 152: Electric-Field Assisted Modulation of Surface Thermochemistry

Manish Shetty | CSP Graduate Student (University of Minnesota)

- On Demand Oral

CATL 186: Renewable piperylene production from biomass-derived 2-methyltetrahydrofuran

Gaurav Kumar | CSP Graduate Student (University of Minnesota)

- On Demand Oral

CHED 9: Sustainable polymer experiments across the laboratory curriculum

Jane Wissinger | CSP Senior Investigator (University of Minnesota)

- On Demand Oral

CINF 38: Machine-learning correlation energies using hybrid structural-energetic descriptors

Robert DiStasio | CSP Seed Investigator (Cornell University)

- On Demand Oral

COMP 24: Investigation of electronic structure and bonding in uranium-arene complexes using CASSCF and CASPT2 methods

Riffat Parveen | CSP Postdoctoral Researcher (University of South Dakota)

- On Demand Oral

COMP 186: Computational investigation on the reaction mechanism and the effects of β -diiminate ligand on reactivity and isotacticity of Zn-catalyzed cyclohexene oxide/ CO₂ copolymerization reaction

Huilong Shao | CSP Postdoctoral Researcher (University of Minnesota)

- On Demand Poster

COMP 276: Enabling large-scale hybrid density functional theory based ab initio molecular dynamics in the condensed phase: Theory, algorithm, and performance

Robert DiStasio | CSP Seed Investigator (Cornell University)

- On Demand Poster

INOR 311: Mechanistic study of the decarbonylation of carboxylic acids using palladium complexes

Samuel Fosu | CSP Graduate Student (University of South Dakota)

- On Demand Oral

INOR 394: Understanding optical properties of highly-luminescent and long-lived Cu(I) complexes with ligand-centered reactions using TD-DFT

Riffat Parveen | CSP Postdoctoral Researcher (University of South Dakota)

- On Demand Poster

INOR 57: Proton-coupled electron transfer mechanisms in copper-oxygen chemistry

William Tolman | CSP Senior Investigator (Washington University in St. Louis)

- On Demand Oral



INOR 214: Ligand-centered borenium reactivity in triaminoborane-bridged diphosphine complexes
Bess Vlasisavljević | CSP Senior Investigator (University of South Dakota)

- On Demand Oral

INOR 320: CASPT2 molecular geometries and electronic structures of late transition metal complexes
Bess Vlasisavljević | CSP Senior Investigator (University of South Dakota)

- On Demand Oral

ORGN 18: Computational investigations on the effects of the conformationally flexible TADDOL-derived phosphite ligand on the mechanism, regio- and enantioselectivity of directed Rh-catalyzed hydroboration of aryl alkenes

Huiling Shao | CSP Postdoctoral Researcher (University of Minnesota)

- On Demand Oral

PMSE 212: Controlled radical polymerizations from hydric C-H bonds

Brett Fors | CSP Senior Investigator (Cornell University)

- On Demand Oral

PMSE 231: In situ dynamic covalent functionalization of cellulose nanocrystals via sustainable melt processing

Céline Calvino | CSP Postdoctoral Researcher (University of Chicago)

- On Demand Oral

PMSE 249: Control over nucleation and growth of two-dimensional covalent organic frameworks

William Dichtel | CSP Senior Investigator (Northwestern University)

- On Demand Oral

POLY 27: Synthesis, strain hardening, and photodegradation of highly isotactic poly(propylene oxide)

Bryce Lipinski | CSP Graduate Student (Cornell University)

- On Demand Oral

POLY 89: Cyclodextrin polymer crosslinked with tripodal anion receptors for efficient PFAS removal

Anna Yang | CSP Postdoctoral Researcher (Northwestern University)

- On Demand Poster

POLY 278: Cyclodextrin-based adsorbents to remove per- and polyfluorinated alkyl substances from water

William Dichtel | CSP Senior Investigator (Northwestern University)

- On Demand Oral

Tuesday, August 18

CINF 38: Machine-learning correlation energies using hybrid structural-energetic descriptors

Robert DiStasio | CSP Seed Investigator (Cornell University)

- 1:00 PM
- Broadcast

PMSE 212: Controlled radical polymerizations from hydric C-H bonds

Brett Fors | CSP Senior Investigator (Cornell University)

- 1:00 PM
- Broadcast



National
Science
Foundation



Wednesday, August 19

CHED 9: Sustainable polymer experiments across the laboratory curriculum

Jane Wissinger | CSP Senior Investigator (University of Minnesota)

- 1:00 PM
- Broadcast

Thursday, August 20

COMP 24: Investigation of electronic structure and bonding in uranium-arene complexes using CASSCF and CASPT2 methods

Riffat Parveen | CSP Postdoctoral Researcher (University of South Dakota)

- 10:00 AM
- Broadcast