











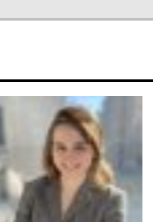

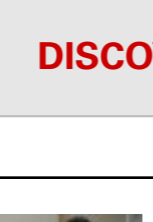
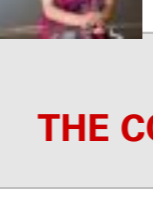

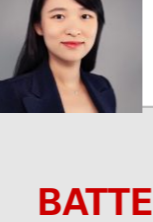


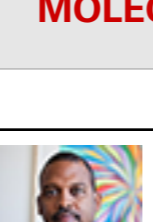
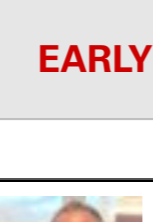



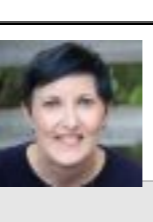

# Department of Chemical and Biomolecular Engineering

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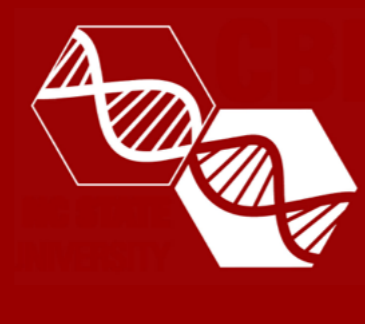
## Departmental Seminars

[Click here to join via Zoom](#)

January 10, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Peter Vekilov</b> University of Houston <b>THE POWER OF CHEMICAL KINETICS TO ELICIT MOLECULAR MECHANISMS</b>
January 19, 2022 10:30 AM EB1 Room 1011	 <b>Dr. De-En Jiang</b> University of California, Riverside <b>MEMBRANES, SORBENTS AND NANOCATALYSTS: FROM DESIGN TO DEEP LEARNING</b>
January 19, 2022 5:00 PM FWH Room 2336	 <b>Dr. Jason Smith</b> IP Group, Inc. <b>ALUMNI MENTORING SEMINAR: ADVENTURE IN THE VALLEY OF DEATH</b>
January 24, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Vibha Kalra</b> Drexel University <b>STUDY OF NEW MATERIALS FOR NEXT GENERATION LITHIUM-SULFUR BATTERIES</b>
January 26, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Artem Rumyantsev</b> University of Chicago <b>CHARGE CORRELATIONS IN IRONIC POLYMERS: FROM COMPLEX COACERVATES TO DISORDERED PROTEINS</b>
January 28, 2022 10:30 AM EB2 Room 1021	 <b>Dr. Wentao Tang</b> Shell Global Solutions (U.S.) Inc. <b>DECOMPOSITION AND COORDINATION FOR THE CONTROL OF PROCESS NETWORKS</b>
January 31, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Mitchell Wang</b> Northwestern University <b>NEW METHODS FOR CHARACTERIZING POLYMERS IN THEIR 2ND CENTURY</b>
February 7, 2022 10:30 AM EB2 Room 1021	 <b>Dr. David Koshy</b> Fritz Haber Institute of the Max Planck Society <b>ACTIVE SITE INVESTIGATIONS OF Ni, N-DOPED CARBON CATALYSTS FOR CO2 CONVERSION</b>
February 9, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Christopher J. Bartel</b> University of California, Berkeley <b>LEARNING DESCRIPTORS FOR SOLID-STATE MATERIALS DISCOVERY</b>
February 11, 2022 10:30 AM EB2 Room 1021	 <b>Dr. Robert Warburton</b> Yale University <b>MODELING THE STRUCTURE AND REACTIVITY OF ELECTROCHEMICAL INTERFACES</b>
February 14, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Julie Rorer</b> Massachusetts Institute of Technology <b>FROM TRASH TO TREASURE: ADVANCING THE HETEROGENEOUS CATALYTIC DECONSTRUCTION AND UPCYCLING OF WASTE POLYOLEFINS</b>
February 16, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Ivan A. Moreno-Hernandez</b> University of California, Berkeley <b>ADVANCING RENEWABLE ENERGY TECHNOLOGIES THROUGH ELECTROCATALYST DISCOVERY AND IN SITU ELECTRON MICROSCOPY IMAGING OF ELECTROCHEMICAL MATERIALS</b>
February 21, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Sheima Khatib</b> Texas Tech University <b>CATALYST DESIGN STRATEGIES FOR MULTIFUNCTIONAL METAL-PROMOTED ZEOLITES IN THE CONVERSION OF NATURAL GAS TO AROMATICS</b>
February 23, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Dohyung Kim</b> Stanford University <b>BEYOND SURFACE FACILITATES ELECTROCATALYTIC REACTIONS OF RENEWABLE CARBONS</b>
February 28, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Fang Liu</b> Stanford University <b>REVEALING THE UNKNOWN DYNAMICS OF HIGH-ENERGY-DENSITY LITHIUM-METAL BATTERIES</b>
March 7, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Lynden Archer</b> Cornell University <b>McCabe Lecture</b> <b>REGULATING ELECTRODEPOSITION OF METALS AT SMALL AND LARGE LENGTH SCALES</b>
March 21, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Heath Turner</b> University of Alabama <b>MODELING AMORPHOUS MATERIALS WITH INTEGRATED KINETIC MONTE CARLO AND MOLECULAR DYNAMICS SIMULATIONS</b>
March 28, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Levi Thompson</b> University of Delaware <b>TURNING BASE METALS INTO GOLD: THE UNUSUAL PROPERTIES OF NANOSTRUCTURED EARLY TRANSITION METAL CARBIDES AND NITRIDES</b>
April 4, 2022 10:30 AM EB1 Room 1011	 <b>Dr. George Jackson</b> Imperial College London <b>Gubbins Lecture</b> <b>THE PROBLEM WITH DROPS</b>
April 5, 2022 3:00 PM EB1 Room 1011	 <b>Dr. George Jackson</b> Imperial College London <b>Gubbins Lecture</b> <b>SAFF-F COARSE-GRAINED FORCE FIELDS FOR THE MOLECULAR SIMULATION OF COMPLEX FLUIDS</b>
April 11, 2022 10:30 AM EB1 Room 1011	 <b>Dr. John Brady</b> California Institute of Technology <b>THE MECHANICS OF ACTIVE MATTER</b>
April 18, 2022 10:30 AM EB1 Room 1011	 <b>Dr. Jackie Bruce</b> NC State University <b>DEALING WITH DIFFICULT PEOPLE</b>
April 25, 2022 10:30 AM EB1 Room 1011	 <b>G.V. Reklaitis</b> Purdue University <b>Ollis Lecture</b> <b>INNOVATIONS IN PHARMACEUTICAL MANUFACTURING: OPPORTUNITIES &amp; CHALLENGES</b>
May 3, 2022 9:00 AM EB1 Room 2018	 <b>Yiliang Lin</b> National University of Singapore <b>RATIONAL BIO-INTERFACE DESIGNS: FROM SOFT-MATTER ENGINEERING TO LIVING MATERIALS</b>
May 6, 2022 2:30 PM EB1 Room 1007	 <b>Greg McKenna</b> NC State University <b>CHALLENGING PARADIGMS OF THE GLASS TRANSITION WITH ULTRA-STABLE GLASSES: FROM ANCIENT AMBERS TO VAPOR DEPOSITED AMORPHOUS POLYMERS</b>

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