

[Spring Symposium Tentative Program – looking for input on this](#)

- 8.00-8.45 Registration and Continental Breakfast
- 8.45: Opening Remarks, Marco J. Castaldi, Columbia University
8.50: Welcome Remarks, Professor Bruce Koel, Lehigh University
- 9.00: **Plenary Presentation – Catalytic Reforming of Fossil and Renewable Fuels in Millisecond Reactors**
Professor Lanny Schmidt, University of Minnesota
- 9.45: **Global Kinetic Optimization of Water-Gas Shift Reactor Performance**
Dr. Jeff Weisman, Precision Combustion Inc.
- 10.15: **Catalytic Active Sites for H₂ Production from Bio-alcohols over Transition Metal Oxide Nanoparticles**
Professor Xianqin Wang, New Jersey Institute of Technology
- 10.45 Coffee Break
- 11.15: **Dynamic characterization of surfaces of Co/TiO₂ Fischer-Tropsch catalysts with infrared spectroscopy and DFT calculations**
Professor Simon Podkolzin, Stevens Institute
- 11.45: **Advancing the Catalysis Science of Practical Catalysts with Lehigh's New Cutting Edge Instrumentation**
Professor Israel Wachs, Lehigh University
- 12.15 Lunch
- 1.30 – 3.00: Poster Session
- 3.00: **Controlling O-H, C-H, C-O, and C-C Bond Scission Sequence of Oxygenates: Theoretical Predictions and Experimental Verification**
Dr. Alan Stottlemyer, University of Delaware
- 3.30: **Reactions of CO+NO and CO+O on planar and faceted Ir(210): bridging the materials gap**
Dr. Wenhua Chen, Rutgers
- 4.00: **First principles guided design of borohydride oxidation electrocatalysts**
Professor Michael Janik, Penn State University
- 4.30: Poster Awards
4.45: Final Remarks
- 5.00 Adjourn