120 Physical Sciences Building (PSB), Cornell University

Wednesday May 22

8:00 – 8:30 am	**Breakfast & Registration – *PSB Clark Atrium***
8:30 – 9:00 am	**Welcome Remarks and Introduction – *120 PSB*** *Prof. Frank Wise, Director, CCMR; with the Symposium Organizing Committee: Profs. Yong Joo, Chemical and Biomoelecular Engineering, and Jin Suntivich, Materials Science and Engineering, Cornell University*
9:00 – 10 am	**Sproull Lecture – Materials Science for Better Batteries. Achievements and New Directions** *Prof. Jean-Marie Tarascon, Solid State Chemistry and Energy, Collège de France*
10:00 – 10:30 am	**The Pursuit and Discovery of Vehicle Electrification Markets using Lithium-ion and/or Fuel Cell Powertrains** *Prof. Mark Mathias, Chemical Engineering, University of Rochester*
10:30 – 10:45 am	**Coffee Break & Posters – *PSB Clark Atrium***
10:45 – 11:15 am	**Beyond Platinum Alloy Cathode Catalysts for Polymer Electrolyte Fuel Cells.** *Dr. Deborah Myers, Hydrogen and Fuel Cells Materials Group, Argonne National Laboratory*
11:15 – 11:45 am	**The Importance of Materials Porosity in Fuel Cell Performance at High Power and Use of Hydrogen Fuel Cells in Unmanned Air Vehicles** *Dr. Karen Swider Lyons, Director, Laboratory for Autonomous Systems Research, US Naval Research Laboratory*
11:45 – 1:15 pm	**Lunch and Poster Session – *PSB Clark Atrium***
1:15 – 1:45 pm	**Designing Electrolytes and Interphases for Lithium Batteries** *Prof. Lynden Archer, Chemical and Biomolecular Engineering, Cornell University; and Founder and Board Member of NOHMs, Rochester, NY*

1:45 – 2:15 pm	**How Far Can We Push the Limits of Intercalation Batteries** *Prof. Stanley Whittingham, Chemistry and Materials Science and Engineering, SUNY at Binghamton*
2:15 – 2:30 pm	**Coffee Break & Posters – *PSB Clark Atrium***
2:30 – 3:00 pm	**Safe and Highly Conductive Electrolytes: From Liquid to Solid** *Dr. Andreas Hintennach, Group Research, Daimler AG*
3:00 – 3:30 pm	**Lithium-Ion Battery Material Development and Deployment for 48V and High Energy Density Automotive Applications** *Dr. Derek C. Johnson, Global R&D, A123 Systems, LLC*
3:30– 3:45 pm	**Wrap up**
3:45 – 5:30 pm	**Poster Session and Reception - Baker Portico**