



CO₂ Solutions to Climate Change Symposium

Toronto, Canada

Location: Room 1130, Bahen Centre for Information Technology, 40 St. George St.

Tuesday, May 09, 2017

8:30 – 9:00	Breakfast and Registration
9:00 – 9:10	Opening Remarks and Introductions Geoffrey A. Ozin , University of Toronto Vivek Goel , Vice President, Research and Innovation
9:10 – 9:30	Opening Address Glen Murray , Minister Of Environment and Climate Change
9:30 – 10:30	Keynote Speaker Thomas Mallouk , Penn State University: <i>Managing Electrons and Protons in the Bio-Inspired Production of Fuel from Sunlight</i>
10:30 – 10:50	Coffee Break
10:50 – 11:30	Emily Carter , Princeton University: <i>Artificial Photosynthesis from First Principles</i>
11:30 – 12:10	Edward Sargent , University of Toronto: <i>The design of heterogeneous electrocatalysts and systems for CO₂RR and OER</i>
12:10 – 14:00	Lunch Break
14:00 – 14:40	Aldo Steinfeld , ETH Zurich: <i>Solar thermochemical splitting of CO₂ into separate streams of CO and O₂ with high selectivity, stability, conversion, and efficiency</i>
14:40 - 15:20	Tierui Zhang , Chinese Academy of Science: <i>Rational design of visible-light-driven photocatalysts for solar fuels</i>
15:20 – 15:40	Coffee Break
15:40 – 16:20	Christos Maravelias , University of Wisconsin, Madison: <i>A Systems-Level view of Solar Fuels</i>
16:20 – 17:00	Hermenegildo García , Universidad Politécnica de Valencia: <i>Photoassisted CO₂ Conversion</i>
17:00 – 18:00	Poster Session – Davenport Atrium, Lash Miller Chemical Laboratories
18:30	Dinner – for all speakers or by invitation only The One Eighty - 55 Bloor Street West, Manulife Centre, 51st Floor

Wednesday, May 10, 2017

8:30 – 9:00	Breakfast and Registration
9:00 – 9:10	Opening Remarks Rob Batey , Chemistry Department Chair
9:10 – 9:50	Peter Styring , University of Sheffield: <i>Engineering the Elements: the case for carbon dioxide utilisation</i>
9:50 – 10:30	Roland Dittmeyer , Karlsruhe Institute of Technology: <i>Synthetic fuels from carbon dioxide and renewable electrical energy enabled by compact microchannel reactors</i>
10:30 – 10:50	Coffee break
10:50 – 11:30	Jinhua Ye , National Institute for Materials Science: <i>Photodriven CO₂ Reduction Assisted by Surface Plasmon Resonance of Nanometals</i>
11:30 – 12:10	Andrew Bocarsly , Princeton University: <i>A multifaceted role for interfacial oxides in the electrochemical and photoelectrochemical reduction of CO₂ to formate</i>
12:10 – 14:00	Lunch Break
14:00 – 14:40	James Durrant , Imperial College London: <i>Transient spectroscopic studies of approaches to artificial photosynthesis</i>
14:40 - 15:20	Chong Liu , University of California Berkeley: <i>Artificial photosynthesis: from nano to microbes</i>
15:20 – 15:40	Coffee Break
15:40 – 16:20	Keith Butler , University of Bath: <i>Computational design for the carbon challenge: From quantitative electronic structure to data-driven machine learning... and back again</i>
16:20 – 17:00	Geoffrey Ozin , University of Toronto: <i>Woodstock of CO₂</i>
17:00 – 17:10	Closing Remarks & Poster Awards
17:10 – 18:00	Lab Tours – for all speakers or by invitation only
19:00	Dinner – for all speakers or by invitation only Music room, Hart House