



Hokkaido University - University of California, Berkeley Joint Symposium on Chemical Sciences and Engineering

January 7, 2016

*Frontier Research in Applied Sciences Building,
Hokkaido University*

9:15-9:30

Opening Remarks

Prof. Koichiro Ishimori

Faculty of Science, Hokkaido University

Prof. Alexander Katz

Department of Chemical and Biomolecular Engineering, University of California, Berkeley

9:30-10:00

Prof. Jeffrey A. Reimer

Metal Organic Frameworks: Structure, Dynamics, Cooperativity

Department of Chemical and Biomolecular Engineering, University of California, Berkeley

10:00-10:30

Prof. Kazuki Sada

Polyhedral Polymer Gels from "Crystal Cross-Linking" of Metal Organic Frameworks

Faculty of Science, Hokkaido University

10:30-10:45

Coffee Break

10:45-11:15

Prof. David B. Graves

New Frontiers in Plasma Processing

Department of Chemical and Biomolecular Engineering, University of California, Berkeley

11:15-11:45

Prof. Toshihiro Shimada

New Carbon Materials Synthesis from High Energy Processes

Faculty of Engineering, Hokkaido University

13:00-14:45

Poster Session

14:45-15:00

Coffee Break

15:00-15:30

Prof. Alexander Katz

Molecular Engineering of Catalysts Derived from Zeolites

Department of Chemical and Biomolecular Engineering, University of California, Berkeley

15:30-16:00

Prof. Atsushi Fukuoka

Low-temperature Oxidation of Ethylene by Platinum supported on Mesoporous Silica

Institute for Catalysis, Hokkaido University

16:00-16:30

Prof. Clayton J. Radke

Salinity Hot Spots in the Tear Film: Why are my Eyes Burny and Dry?

Department of Chemical and Biomolecular Engineering, University of California, Berkeley

16:30-16:45

Coffee Break

16:45-17:15

Prof. Manabu Tokeshi

Label-Free Detection of Biomolecules and Production of Functional Nanoparticles Using Micro/Nano Devices

Faculty of Engineering, Hokkaido University

17:15-17:45

Prof. Bryan D. McCloskey

Ion Solvation Effects in Nonaqueous Li-O₂ Electrochemistry

Department of Chemical and Biomolecular Engineering, University of California, Berkeley

17:45-18:15

Prof. Kiyoharu Tadanaga

Hydroxide Ion Conduction in Layered Double Hydroxides and Their Application to Electrochemical Devices

Faculty of Engineering, Hokkaido University

18:15-18:20

Closing Remarks

Prof. Hiroki Habazaki

Faculty of Engineering, Hokkaido University