2-2 Catalytic Science and Technology for Energy Innovation

Session Organizer: Junji Nakamura

Sep27 (Wed) Conference Room 202A

Keywords

- Catalyst
- Energy Innovation
- Fuel Cell
- Carbon
- Hydrogen

Chair: Prof.Toshiyuki Mori , NIMS

9:30 - 9:40	**Junji Nakamura** Introductory talk	University of Tsukuba
9:40 - 10:20	**Liming Dai** Carbon-based metal-free catalysts for efficient energy conversion and storage	Case Western Reserve University
10:20 - 11:00	**Takahiro Kondo** Active sites in nitrogen-doped carbon materials for oxygen reduction reaction	University of Tsukuba
11:20 - 12:00	**Yuanjian Zhang** Carbon-based non-precious electrocatalysts: preparation and structure-activity correlations studies	Southeast University

Chair: Takahiro Kondo, University of Tsukuba, Yuta Nabae, Tokyo Institute of Technology

13:00 - 13:40	**Yuta Nabae** Oxygen reduction performance and mechanism of Fe/N/C cathode catalyst prepared from polyimide nano-particles	Tokyo Institute of Technology
13:40 - 14:20	**Plamen Atanassov** Platinum Group Metal-free Catalysts for Fuel Cells: Successes and Challenges	The University of New Mexico
14:40 - 15:20	**Toshiyuki Mori** Interface design of Pt-CeOx /C electro-catalysts for fuel cell application	National Institute for Materials Science
15:20 - 16:00	**Iryna V. Zenyuk** Synchrotron X-ray Computed Tomography for Catalysts Characterization and Design	Tufts University
16:00 - 16:40	**Hirohisa Tanaka** Platinum-free Direct Hydrazine Fuel Cell ~Collaboration with Daihatsu Motor~	Kwansei Gakuin University
16:40 - 16:50	**Junji Nakamura** Closing remarks	University of Tsukuba