



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

HYDROGEN PRODUCTION & FUEL CELLS DIVISION SYMPOSIUM

DATE: THURSDAY, FEBRUARY 5, 2015

TIME: 10:00-17:30

VENUE: I²CNER HALL

| Time | Speaker | Presentation Title |
|--------------------|---|--|
| 10:00 | Opening Remarks Prof. K. Sasaki (Kyushu University) | |
| 10:00-10:30 | Prof. T. Fujigaya (Kyushu University) | Polymer-wrapped Carbons as a high performance conductive supporting material |
| 10:30-11:00 | Prof. A. Gewirth (U. Illinois) | The oxygen reduction reaction at intermediate temperatures |
| 11:00-11:30 | Prof. S. Takenaka (Kyushu University) | Development of highly durable Pd-based cathode catalysts for PEFCs using silica-coating method |
| 11:30-12:00 | Prof. A. Hayashi (Kyushu University) | Evaluation of PEFC Catalyst Layers through the in-Situ SEM/STEM Technique |
| 12:00-13:00 | Lunch Break | |
| 13:00-13:30 | Prof. J. Santiso (Institut Catala de Nanociencia i Nanotecnologia) | Strain relaxation in thin perovskite oxide epitaxial films: Extended defects generation |
| 13:30-14:00 | Prof. J. Fleig (Vienna University of Technology) | Electrochemical properties of mixed conducting SOFC/SOEC electrodes in oxidizing and reducing atmospheres |
| 14:00-14:30 | Prof. H. Matsumoto (I ² CNER, Kyushu University) | Steam electrolysis using proton conducting oxides |
| 14:30-15:00 | Prof. K. Yamauchi (Kyushu University) | Molecular Catalysis in Photochemical and Electrochemical H ₂ production from Water Driven with Low Driving Forces |
| 15:00-15:30 | Coffee Break | |
| 15:30-16:00 | Prof. H. Hagiwara (Kyushu University) | Dye-modified photocatalysts for solar water splitting |
| 16:00-16:30 | Prof. A. Rockett (U. Illinois) | Numerical Simulation of Photoelectrochemical Cells |

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| 16:30-17:00 | Prof. X. Li (U. Illinois) | Semiconductor nanostructures for solar water splitting |
| 17:00-17:30 | Dr. K. White (I ² CNER, Kyushu University) | Controlling nanoparticle size, surface, and organization for novel fluid and composite applications |
| 17:30 | Closing Remarks Prof. T. Ishihara (Kyushu University) | |

PRESENTATION TIME: 20 MINUTES TALK AND 10 MINUTES DISCUSSION