



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

-HIGHLY EFFICIENT ENERGY CONVERSION MATERIALS-
I²CNER INTERNATIONAL WORKSHOP
MOLECULAR PHOTOCONVERSION DEVICES DIVISION
& ELECTROCHEMICAL ENERGY CONVERSION DIVISION

DATE: FRIDAY, FEBRUARY 2, 2018

TIME: 8:50 AM- 5:30 PM

VENUE: I²CNER HALL B

Time	Speaker	Affiliation	Title
8:50-9:00	Prof. John A. Kilner	Imperial College London	Opening remarks
9:00-10:00	Prof. Ugur Pasaogullari	Center for Clean Energy Engineering (C2E2), University of Connecticut	Introduction of C2E2 activity and advanced analysis of PEFC
10:00-10:30	Prof. Kondo-Francois Aguey-Zinsou	University of New South Wales (UNSW)	Hydride materials for hydrogen storage and CO ₂ catalysis
10:30-11:00	Dr. Mariya Ivanova	Forschungszentrum Jülich	Hydrogen separation Membranes
11:00-11:30	Dr. Wilhelm A. Meulenbergh	Forschungszentrum Jülich	Ceramic Gas Separation Membranes – From Microstructural Aspects to Application
11:30-11:50	Prof. Thomas Lippert	Paul Scherrer Institut (PSI)	Thin films by Pulsed Laser Deposition
11:50-1:00	Lunch		
1:00-1:20	Prof. Colin Atkinson	Imperial College London	Mathematical Methods for Solving Tracer Diffusion Equations
1:20-1:40	Prof. Taner Akbay	ACE2, Kyushu University	Back-exchange Tracer Diffusion Problem
1:40-2:00	Dr. Vincent Thoréton	I ² CNER, Kyushu University	How steam and CO ₂ influence the oxygen transport kinetics of IT-SOFC cathodes
2:00-2:20	Dr. Kwati Leonard	I ² CNER, Kyushu University	Application of Proton conductor for steam electrolysis

2:20-2:40	Dr. Nuttavut Kosem	I ² CNER, Kyushu University	Hydrogen evolution from water using GaN:ZnO coupled to hydrogenase-producing Escherichia coli
2:40-3:00	Prof. Songmei Sun	I ² CNER, Kyushu University	Inorganic Photocatalyst for CO ₂ conversion
3:00-3:20	Dr. Gabseok Seo	I ² CNER, Kyushu University	Understanding the performance limitation factors; Deep level trapped defect in perovskite solar cells
3:20-3:40	Coffee break		
3:40-4:00	Prof. Toshinori Matsushima	I ² CNER, Kyushu University	High performance from extraordinarily thick organic light-emitting diodes
4:00-4:20	Dr. Wei Ma	I ² CNER, Kyushu University	Halloysite nanotubes based hybrid coating with both superhydrophobic and superoleophobic properties
4:20-4:40	Prof. Hironobu Ozawa	Faculty of Science, Kyushu University	Molecular-Based Photoelectrochemical Cells for Visible-Light-Driven Hydrogen Production from Water
4:40-5:00	Prof. Motonori Watanabe	I ² CNER, Kyushu University	Anchor effect of dye in dye-sensitized photocatalytic water splitting for effective hydrogen production reaction
5:00-5:20	Prof. Aleksandar Staykov	I ² CNER, Kyushu University	Oxygen Reduction Reaction on Carbon-coated Iron Nanoparticles
5:20-5:30	Prof. Tatsumi Ishihara	I ² CNER, Kyushu University	Closing remarks