



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

**-PHOTOCHEMICAL AND ELECTROCHEMICAL
ENERGY CONVERSION-
I²CNER INTERNATIONAL WORKSHOP
(MOLECULAR PHOTOCONVERSION DEVICES DIVISION
& ELECTROCHEMICAL ENERGY CONVERSION DIVISION)**

DATE: FRIDAY, FEBRUARY 3, 2017

TIME: 9:20-17:00

VENUE: ITO GUEST HOUSE

Time	Speaker	Affiliation	Title
9:20-9:30	Prof. Hiroshige Matsumoto	I ² CNER, Kyushu University	<Opening Remarks>
9:30-10:00	Dr. Yuki Honda	I ² CNER, Kyushu University	Bio-Inorganic photocatalyst
10:00-10:30	Prof. Kondo-Francois Aguey-Zinsou	University of New South Wales (UNSW)	Hydrogen storage at the nanoscale
10:30-11:00	Break		
11:00-11:30	Dr. Wilhelm Meulenber	Forschungszentrum Jülich	Oxygen Transport Membranes - From Material to Component size
11:30-12:00	Dr. Yuki Terayama	I ² CNER, Kyushu University	Water electrolysis using proton-conducting metal oxide
12:00-13:30	Lunch		
13:30-14:00	Prof. Nicola Perry	I ² CNER, Kyushu University	<Keynote Lecture (1)> Contact-free, continuous, in situ optical studies of thin film perovskite electrode performance
14:00-14:30	Dr. Mariya Ivanova	Forschungszentrum Jülich	<Keynote Lecture (2)> Relation between composition, structure and properties of the mixed ionic-electronic conductors $\text{La}_{6-x}\text{WO}_{12-\delta}$ ($0.4 \leq x \leq 0.8$) and $\text{La}_{5.4}\text{W}_{1-y}\text{M}_y\text{O}_{12-\delta}$ ($M = \text{Mo, Re}; 0 \leq y \leq 0.2$)

14:30-15:00	Dr. Neeraj Sharma	University of New South Wales (UNSW)	<Keynote Lecture (3)> Adventures using in situ techniques
15:00-15:30	Break		
15:30-15:50	Prof. Jan Seidel	University of New South Wales (UNSW)	Scanning probe microscopy studies of halide perovskite solar cells in operation
15:50-16:10	Prof. John Druce	I ² CNER, Kyushu University	Oxygen Transport Properties and Surface Composition of Electrodes for Solid Oxide Electrochemical Devices
16:10-16:30	Dr. Jingwei Hou	University of New South Wales (UNSW)	Organic-inorganic nanocomposite membrane for gas separation
16:30-16:50	Dr. Yun Hau Ng	University of New South Wales (UNSW)	Crystal facet engineering of metal oxides for solar water splitting
16:50-17:00	Prof. Tatsumi Ishihara	I ² CNER, Kyushu University	<Closing Remarks>
18:00	Symposium Dinner		