



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

-ADVANCED TECHNOLOGY FOR EFFICIENT ELECTRIC
AND PHOTO ENERGY CONVERSION-
I²CNER INTERNATIONAL WORKSHOP
MOLECULAR PHOTOCONVERSION DEVICES DIVISION
& ELECTROCHEMICAL ENERGY CONVERSION DIVISION

DATE: FRIDAY, JANUARY 31, 2020

TIME: 9:30-17:15

VENUE: I²CNER HALL C

Time	Speaker	Affiliation	Title
9:30	Hiroshige Matsumoto	I ² CNER, Kyushu University	Opening Remarks
9:30-9:50	Kaveh Edalati	I ² CNER, Kyushu University	High-pressure torsion for active photocatalysts
9:50-10:10	Minkyu Son	I ² CNER, Kyushu University	Solar water splitting: challenges and perspectives
10:10-10:30	Toshinori Matsushima	I ² CNER, Kyushu University	Organic-Inorganic Perovskite for Efficient and Stable Solar Cell
10:30-10:45	Coffee		
10:45-11:30	Kentaro Yoshida	Q-PIT, Kyushu University	Consumer preferences for alternative fuel vehicles and autonomous driving technology
11:30-12:00	Harry Tuller	I ² CNER, Kyushu University/MIT	Measuring Oxygen Ion Mobility Down to Room Temperature in Mixed Ionic Electronic Conductors
12:00-13:00	Lunch		
13:00-13:45	Hitoshi Takamura	Tohoku University	N-type mixed conductors for low-temperature SOFC
13:45-14:45	San Ping Jiang	Curtin University	Development of high temperature polymer electrolyte membrane fuel cells - from membrane to non-Pt electrocatalysts
14:45-15:00	Coffee		
15:00-15:45	John Druce	I ² CNER/ Laboratorio Enoliva	Ion Beam Analysis at I ² CNER: SIMS, Scattering and Strontium-rich Surfaces
15:45-16:30	Yoshihiro Yamazaki	Q-PIT, Kyushu University	Machine learning: towards materials discovery for proton-conducting electrochemical devices
16:30-17:15	Yasunobu Mizutani	AIST/ Toho Gas	Challenges in Protonic Ceramic Cell toward ultra-high efficiency fuel cells
17:15	Tatsumi Ishihara	Kyushu University	Concluding Remarks