



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

## -2020 HYDROGENIUS & I2CNER TRIBOLOGY SYMPOSIUM -

HYDROGENIUS AND I<sup>2</sup>CNER JOINT RESEARCH SYMPOSIUM  
(HYDROGENIUS TRIBOLOGY DIVISION AND  
I2CNER HYDROGEN MATERIALS COMPATIBILITY DIVISION)

DATE: THURSDAY, JANUARY 30, 2020

TIME: 11:00-18:00

VENUE: CENTENNIAL HALL, HOSPITAL CAMPUS, KYUSHU  
UNIVERSITY

Time	Speaker	Affiliation	Title
11:00~ 12:00	Makoto Yoshida	JAXA	Tribology of Reusable Rocket Engine
	Shunsuke Maekawa	JXTG	JXTG's Efforts toward the Realization of Hydrogen-utilized Society
13:00~ 15:00	Dr. František Lofaj	Institute of Materials Research of SAS	A review of mechanical and tribological properties of hydrogenated W-C:H coatings prepared by different sputtering techniques
	Assoc. Prof. Takayuki Tokoroyama	Nagoya University	The effect of Mo related particles on the wear acceleration of hydrogenated amorphous carbon
	Prof. Kanao Fukuda	University Technology Malaysia	Effects of trace humidity in atmospheric gas on the tribological behaviors of metallic materials
15:00~ 18:00	<b>Joint Session with Hydrogen Polymers Team (Oral Session)</b>		
	Dr Kevin Simmons	Pacific Northwest National Laboratory	H-Mat: Science based Advancement of Polymeric Materials for Hydrogen Technologies
	Prof. Yoshinori Sawae	Kyushu University	Tribological behavior of PTFE composites in hydrogen
	<b>Joint Session with Hydrogen Polymers Team (Poster Session)</b>		