

-2021 HYDROGENIUS & I2CNER TRIBOLOGY SYMPOSIUM -
HYDROGENIUS AND I2CNER JOINT RESEARCH SYMPOSIUM
(HYDROGENIUS TRIBOLOGY DIVISION AND
I2CNER ADVANCED ENERGY MATERIALS THRUST)

<Date> 9:55-17:20, 29th January 2021

< Venue > Online (ZOOM Webiner) and Centennial Hall, Kyushu University

< Language > English

< Program and Speaker >

Time	Program and Speaker
09:55-10:00	Opening Remarks
10:00-10:40	Invited Lecture 1: Effects of transition metals on low friction of DLC coatings Dr. Hiroyoshi Tanaka, Kyushu University (Japan)
10:40-11:20	Invited Lecture 2: Formation of anti-oxidation nano layer under carbon transfer film during unlubricated friction between a-C:H:Si and steel balls Prof. Hiroyuki Kosaka, Gifu University (Japan)
11:20-12:00	Invited Lecture 3: The tribology of 2D materials under inert atmospheres Dr. Prabakaran Saravanan, Birla Institute of Technology & Science, Pilani (India)
12:00-13:30	Lunch Break
13:30-14:10	Invited Lecture 4: Towards the realization of sustainable hydrogen economy: from fundamental research to practical applications Dr. Akihide Nagao, Air Liquide Laboratories/Kyushu University (Japan)
14:10-14:50	Invited Lecture 5: Heat generation modeling of cryogenic ball bearings for LH2 rocket-engine turbopump Dr Hiromitsu Kakudo, Dr Satoshi Takada, JAXA (Japan)
14:50-15:30	Invited Lecture 6: Effect of fillers on friction and wear of PTFE composites in high purity hydrogen gas Prof Yoshinori Sawae, Kyushu University (Japan)
15:30-15:50	Coffee Break
15:50-16:30	Invited Lecture 7: Phenolic resin composite material for applying to highly loaded sliding parts Prof Yoshinori Takeichi, Toyohashi University of Technology (Japan)
16:30-17:10	Keynote Lecture : Influence of the counterface on the sliding behavior of polymer materials in hydrogen Dr Géraldine Theiler, BAM (Germany)
17:10-17:20	Closing Remarks