
2023 HYDROGENIUS & I²CNER TRIBOLOGY SYMPOSIUM

HYDROGENIUS Tribology Division and I²CNER Advanced Energy Materials Thrust

Co-organized by Hydrogen Tribology Technical Committee, Japanese Society of Tribologists (JAST)

< Date > 10:00-17:20, 3rd February 2023
< Venue > Centennial Hall, Kyushu University, and Online (ZOOM Webiner)
< Language > English

Preliminary Program

Time	Title and Speaker
10:00-10:10	Opening Remarks
10:10-10:50	Keynote lecture Comparative Evaluation of the sliding performance of polymer materials in gaseous and liquid hydrogen Géraldine Theiler, Bundesanstalt für Materialforschung und -prüfung (BAM), Germany
10:50-11:30	Invited lecture Gas emission from polymer composites sliding against metal in hydrogen Yoshinori Sawae, Kyushu University, Japan
11:30-12:10	Invited lecture Understanding the applicability of fully aromatic polyimide for sealing parts and sliding parts for hydrogen applications Yuichi Maruyama, DuPont Japan Kabushiki Kaisha, Japan
12:10-13:30	Lunch
13:30-14:10	Keynote lecture Tribological performance of advanced polymer coatings and composites under extreme conditions, including hydrogen applications Andreas A. Polycarpou, Texas A&M University, USA
14:10-14:50	Invited lecture In Situ Observation of Friction Behavior of DLC in Hydrogen Gas Atmosphere Hidenori Hibino, Denso Corporation, Japan
14:50-15:30	Invited lecture Hydrogen related research at VTT Helena Ronkainen, VTT Technical Research Centre of Finland, Finland
15:30-15:50	Coffee Break
15:50-16:30	Keynote lecture The role of hydrogen in white etching cracking under rolling contact fatigue Ling Wang, University of Southampton, UK
16:30-17:10	Invited lecture Effect of Additives on Hydrogen Generation by Contact of Greases with Nascent Clean Steel Surface Toshiaki Wakabayashi, Kagawa University, Japan
17:10-17:20	Closing Remarks