

**-2022 HYDROGENIUS & I²CNER TRIBOLOGY SYMPOSIUM -
HYDROGENIUS AND I²CNER JOINT RESEARCH SYMPOSIUM
(HYDROGENIUS TRIBOLOGY DIVISION AND
I²CNER ADVANCED ENERGY MATERIALS THRUST)**

<Date> 13:00-18:00, 28th January 2022

< Venue > Online (ZOOM meeting)

< Language > English

< Program and Speaker >

Time	Program and Speaker
13:00-13:10	Opening Remarks
13:10-13:50	Invited Lecture 1: Toward a Hydrogen Society ~KOBELCO Group's Approach~ Mr. Naofumi Kanei , KOBELCO (Japan)
13:50-14:30	Invited Lecture 2: The developmental status quo of the high-pressure hydrogen seals Mr. Hiroyuki Komori , NOK (Japan)
14:30-15:10	Invited Lecture 3: Realization of low friction in H ₂ gas by controlling doped metal in DLC coatings Mr. Keita Yukinori , Toyota Motor East Japan Inc. (Japan)
15:10-15:40	Invited Lecture 4: Friction and wear of PTFE-PPS composites in hydrogen Prof Yoshinori Sawae , Kyushu University (Japan)
15:40-16:10	Invited Lecture 5: Fundamental study on cone and thread fittings in high pressure hydrogen systems Prof Joichi Sugimura , Kyushu University (Japan)
16:10-16:30	Coffee Break
16:30-17:10	Keynote Lecture 1: Transfer Layer Evolution in Hybrid PVD/PECVD HiPIMS W-C(:H) Coatings during Friction in Different Environments Prof František Lofaj , Slovak Academy of Sciences (Slovak Republic)
17:10-17:50	Keynote Lecture 2: An overview of polymer composites in hydrogen Prof Nazanin Emami , Luleå University of Technology (Sweden)
17:50-18:00	Closing Remarks