- HYDROGEN-MATERIALS INTERACTIONS -

HYDROGENIUS, I²CNER, AND HYDROMATE JOINT RESEARCH SYMPOSIUM
HYDROGENIUS FATIGUE AND FRACTURE DIVISION,
I²CNER HYDROGEN MATERIALS COMPATIBILITY DIVISION,
& HYDROMATE

DATE: THURSDAY, JANUARY 30, 2020
TIME: 10:00-16:50
VENUE: CONFERENCE ROOM, SHIIKI HALL

Time	Speaker	Affiliation	Title
10:00-10:10	Hisao Matsunaga	Kyushu University	Opening Remarks
10:10-10:45	Mohsen Dadfarnia	Seattle University	Toward Mechanistic Modeling of Hydrogen- Accelerated Fatigue Crack Growth
10:45-11:20	Hong Luo	University of Science and Technology Beijing	Hydrogen Embrittlement of High Entropy Alloys
11:20-11:55	Aurélie Laureys	Gent University	Microscopic Evaluation of Hydrogen Induced Crack Initiation and Propagation in Multiphase Steels
11:55-13:20	Lunch		
13:20-13:55	Shenghu Chen	Chinese Academy of Sciences	Internal Hydrogen Effects on the Deformation and Fracture Behavior of Precipitation–hardened Fe–Ni–Cr Alloy
13:55-14:30	Thanh Tuan Nguyen	KRISS	Hydrogen-induced Fracture in X70 Pipeline Steel under Low Partial Hydrogen in a Mixture with Natural Gas
14:30-15:05	Brian Kagay	Sandia National Laboratories	Investigating Hydrogen-assisted Deformation of Oligocrystalline Austenitic Stainless Steel
15:05-15:30	Break		
15:30-16:05	Zhengli Hua	Zhejiang University	Kelvin Probe Force Microscopy Study on Hydrogen Distribution in Austenitic Stainless Steel
16:05-16:40	Daisuke Takazaki	Kyushu University	Effect of Hydrogen on Creep Properties of SUS304
16:40-16:50	Brian Somerday	I²CNER	Closing Remarks