- HYDROGEN-MATERIALS INTERACTIONS -

HYDROGENIUS, I²CNER, AND HYDROMATE JOINT RESEARCH SYMPOSIUM

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

DATE: WEDNESDAY, JANUARY 30, 2019
TIME: 13:00-17:20
VENUE: LECTURE THEATER 302, SHIIKI HALL

Time	Speaker	Affiliation	Title
13:00-13:10	Hisao Matsunaga	Kyushu University	Opening Remarks
Chair	Junichiro Yamabe Osamu Takakuwa	Fukuoka University Kyushu University	
13:10-13:40	Kenichi Takai	Sophia University	Crystallographic analysis and hydrogen-enhanced lattice defect evaluation beneath hydrogen-related fracture surface of high-strength steels
13:40-14:10	Tom Depover	Ghent University	Evaluation of the interaction of hydrogen with a steel microstructure: key in the development of hydrogen resistant materials
14:10-14:40	Frantz Martin	CEA	Hydrogen diffusion and trapping in FCC alloys: a quantitative approach based on experimental data and numerical analysis
14:40-15:10	Tarlan Hajilou	NTNU	A new insight into hydrogen enhanced cracking by in situ electrochemical microcantilever bending test
15:10-15:40	Break		
Chair	Masanobu Kubota	Kyushu University	
15:40-16:10	Akihide Nagao	JFE steel	Experimental and simulational study of hydrogen uptake in low-alloy steels exposed to high-pressure H_2 gas
16:10-16:40	Kelly Elizabeth Nygren	Cornell University	Hydrogen embrittlement of FCC equi-atomic alloys and mechanisms for intergranular failure
16:40-17:10	Ryosuke Komoda	Fukuoka University	Inhibition of hydrogen environment embrittlement by small amount of oxygen contained in hydrogen gas
17:10-17:20	Brian Somerday	SwRI, I²CNER	Closing Remarks