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<Date> 9:20-17:20, Friday, February 2, 2018

<Venue> Lecture Room 3F , Shiiki Hall, Ito Campus, Kyushu University

<Language> English

<Program and Speaker>

Time	Program and Speaker
9:20-9:30	Opening remarks
	Prof. Hisao Matsunaga (Kyushu University)
	<u>Chair</u>
	Dr. Brian Somerday (Southwest Research Institute)
	Invited talk
9:30-10:00	Prof. Eiji Akiyama (Tohoku University)
	Electrochemical hydrogen permeation tests to study hydrogen embrittlement
	Invited talk
10:00-10:30	Prof. Abdelali Oudriss. (University of La Rochelle)
	Some advances on the implication of crystalline defects on hydrogen diffusion and
	trapping mechanisms in fcc materials : Experimental and modelling approaches
	Invited talk
10:30-11:00	Prof. Ryosuke Matsumoto (Kyoto University)
	Atomistic Study of Hydrogen Effects on Stability and Mobility of Vacancy and
	Vacancy-Clusters
11:00-11:20	Break
	Chair
	Prof. Junichiro Yamabe (HYDROGENIUS, Kyushu University & HydroMate, AIST)
11:20-11:50	Invited talk
	Prof. Shuai Wang (University of Wisconsin)
	Collective dislocation behavior in the presence of hydrogen
11:50-12:20	Invited talk
	Prof. Bai An (AIST)
	Application of SPM-related nanotechnology in hydrogen embrittlement studies
12:20-13:20	Lunch
13:20-14:20	Poster Session
	Chair
	Prof. Arnaud Macadre (I2CNER, Kyushu University)
14:20-14:50	Invited talk
	Prof. Michal Lewandowski (TWI)
	Influence of high-pressure hydrogen atmospheres on mechanical performance of
	austenitic stainless steels at low temperatures
14:50-15:20	Invited talk
	Prof. Masanobu Kubota (I2CNER, Kyushu University)
	Effect of impurities added to hydrogen environment on fracture toughness of Cr-Mo
	steels with different strength levels

Kyushu University Energy Week 2018

	Invited talk
15:20-15:50	Prof. James Burns (University of Virginia)
	The effect of microstructure on the hydrogen environment assisted cracking
	susceptibility of a precipitation hardened Ni-Cu alloy
15:50-16:10	Break
	Chair
	Dr. Akihide Nagao (JFE steel)
16:10-16:40	Invited talk
	Mr. Yuhei Ogawa (Kyushu University)
	Interpretation of hydrogen-assisted fatigue crack propagation in a pure BCC iron based
	on crack tip plasticity evolution
16:40-17:10	Invited talk
	Prof. Osamu Takakuwa (HYDROGENIUS, Kyushu University)
	Compatibility of Type 304 stainless steel to high-pressure hydrogen gas
17:10-17:20	Closing remarks
	Dr. Brian Somerday (Southwest Research Institute)