International Symposium of Hydrogen Polymers Team, HYDROGENIUS

Date:	Wedne	sday,	30th Ja	nuary	2019
Venue	: Shiiki	Hall,	Kyushu	Unive	rsity

Venue: Shiiki Hall, Kyushu University					
	Session 14:40	Session 1 Chairperson: Dr Hiroaki ONO, Kyushu University			
13:00-	13:20	Opening Remarks/ Polymeric Materials for Hydrogen Devices Prof Shin NISHIMURA, Kyushu University (Japan)			
13:20-	14:00	Statistical and image analysis in materials science Dr Azdine NAIT-ALI, Institut Pprime, ENSMA (France)			
14:00-	14:40	Effect of stress hold time on fatigue life for injection molded PA11 Prof Takashi KURIYAMA, Yamagata University (Japan)			
14:40-	15:00	Coffee Break			
		Session 2 Chairperson: Dr Hiroaki ONO, Kyushu University			
15:00-	15:40	Influence of High-Pressure Hydrogen Gas on Crystalline Polymers: an Attempt at In-Situ FTIR Measurements Prof Fumitoshi KANEKO (Japan)			
15:40-	16:50	Joint Symposium of Hydrogen Tribology Team and Hydrogen Polymers Team			
15:40-	16:20	Material Challenges and the Design Parameters for Reducing the Cost of Cryogenic and Cold Gas Hydrogen Storage Technologies Dr Kevin SHIMMONS, Pacific Northwest National Laboratory (USA)			
16:20-	16:25	Closing Remarks of Oral Session Prof Shin NISHIMURA, Kyushu University (Japan)			
16:25-	16:30	Break			
16:30-	18:00	Poster Session			
PP01		es of Research Group on Elastomers for Hydrogen Equipment			
PP02	Establishment of evaluating methods aiming to develop long-life sealing rubber -New attempt of HYDROGENIUS Polymer Team- Hirotada FUJIWARA, Kyushu University (Japan)				
PP03	Analysis of filler types in the viewpoint of influence on hydrogen property in NBR Hirotada FUJIWARA, Kyushu University (Japan)				
PP04		Influence of morphology on high-pressure hydrogen property of rubber material Hirotada FUJIWARA, Kyushu University (Japan)			

high pressure hydrogen gas Takuya KAMINO, Kurume College (Japan)

PP05 Influence of different rubber compounds with different compounding methods under

PP06 Vibrational spectroscopic study on the interaction between carbon black and rubber molecular chain

Hiroto YAMAGUCHI, Kogakuin University (Japan)

PP07 Estimation of void volume generated by high pressurized hydrogen exposure using a dielectric relaxation measurement

Masahiro KASAI, Kyushu University (Japan)

PP08 Effect of mechanical properties of diaphragm rubber on gas transfer efficiency for hydrogen circulation blower

Ryo HISATSUNE, Graduate school of engineering Kyushu University (Japan)

- PP09 Mechanical Properties and Degradation of NR with Different State of Cure Kazumi NAKAYAMA, Chemicals Evaluation and Research Institute (Japan)
- PP10 The compound design of FKM for compressors on Hydrogen Refueling Stations Ryo TAKAHASHI, Takaishi Industry co., Itd (Japan)
- PP11 Study on High-pressure Hydrogen Seal Durability of Rubber O-ring Atsushi KOGA, NOK CORPORATION (Japan)
- PP12 Influence of phase transition on Polytetrafuoroethylen(PTFE) with high pressure hydrogen exposure

Hirotada FUJIWARA, Kyushu University (Japan)

- PP13 Hydrogen permeation property of polyethylene under high pressure condition **Hirotada FUJIWARA, Kyushu University (Japan)**
- PP14 Influence of the high-pressure hydrogen gas exposure repetition on the internal damage evolution of high-density polyethylene

Hiroaki ONO, Kyushu University (Japan)

PP15 Structure Change Caused by Exposure to High-pressure Hydrogen Gas: Influence of Crystallinity in Polyamide11

Keiko OHYAMA, Kyushu University (Japan)

PP16 Effect of Propylene carbonate on ionic conductance of Polyethylene carbonate polymer electrolyte Kazuma MATSUSHITA, Graduate school of engineering Kyushu University (Japan)