

<HYDROGENIUS 高分子材料研究部門>
<International Symposium of Hydrogen
Polymers Team, HYDROGENIUS>

<日時> 2018年 2月2日 (金曜日) 11:00-18:00
 <場所> 九州大学伊都キャンパス 椎木講堂 3F Lecture Room
 <言語> 英語

<暫定プログラム及び講演者>

時間	プログラム・講演者
11:00-11:40	Session 1
11:00-11:40	Opening Remarks/ Polymeric Materials for Hydrogen Devices Prof Shin NISHIMURA, Kyushu University (Japan)
11:40-13:10	Lunch
13:10-14:30	Session 2 Chairperson: Dr Hiroaki ONO, Kyushu University
13:10-13:50	High-Pressure Hydrogen Dispensing Hoses Ikuma Yusa, The Yokohama Rubber Co., Ltd. (Japan)
13:50-14:30	Behavior of Polymers in High Pressure Environments as Applicable to the Hydrogen Infrastructure Dr Nalini Chulliyil MENON, Sandia National Laboratory (USA)
14:30-15:00	Coffee Break
15:00-16:25	Session 3 Joint Symposium of Hydrogen Tribology Team and Hydrogen Polymers Team Chairperson: Neha RUSTAGI, Fuel Cell Technologies Office, DOE (USA)
15:00-15:40	Hydrogen Compatible Polymeric Materials Dr Kevin Simmons, Pacific Northwest National Laboratory (USA)
15:40-16:20	Tribology of rubbers in hydrogen Prof Joichi SUGIMURA, Kyushu University (Japan)
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

Poster Session (TBD)

- PP01 "Activities of Research Group on Elastomers for Hydrogen Equipment"
Shin NISHIMURA, Kyushu University
- PP02 "High-pressure Hydrogen Hose Evaluation Method"
Shin NISHIMURA, Kyushu University
- PP03 "Influence of Dissolved Hydrogen on the Bending Modulus of Polyamide 11"
Yohei FUJII, Kyushu University
- PP04 "Cavitation during Tensile Deformation of a Hydrogen-Saturated Polyamide 11 Tube"
Kazuyuki ENOMOTO, Kyushu University
- PP05 "Cavitation during Tensile Deformation of a Hydrogen-Saturated Polyamide 11 Tube: Study "
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Kazuyuki ENOMOTO, Kyushu University
- PP05 Using Radiation Modification of Amorphous Phase in Polyethylene to Develop Hydrogen Compatible Resins Used in High-Pressure Hydrogen
Kazuyuki ENOMOTO, Kyushu University
- PP06 "Effect of high-pressure hydrogen gas exposure on internal damage of high-density polyethylene"
Hiroaki ONO, Kyushu University
- PP07 TBD
Mitsuteru MUTSUDA, Daicel Evonik Ltd.
- PP08 "High-pressure Hydrogen Gas Permeation Test of Polymeric Materials"
Hirofusa FUJIWARA, Kyushu University
- PP08 "Influence of Types of Fillers on Hydrogen Solubility in Acrylonitrile Butadiene Rubber"
Hirofusa FUJIWARA, Kyushu University
- PP09 "The Investigation on Testing Methods for Rubber Materials Used in High-Pressure Hydrogen Gas"
Kazumi NAKAYAMA, Chemicals Evaluation and Research Institute, Japan
- PP10 High-Pressure Hydrogen Sealability of EPDM rubber O-ring
Atsushi KOGA, NOK Corporation
- PP11 "Wear of O-ring Exposed to Cyclic Pressurized Hydrogen"
Kiyohiro SUZUKI, NOK Corporation
- PP12 TBD
Yoshihisa TAKEYAMA, Zeon Corporation
- PP13 "Effect of Crosslink on Hydrogen Properties of NBR Evaluated by Gas Permeation Test"
Shinya YAMASAKI, Kyushu University
- PP14 "Durability evaluation of hydrogen-resistant EPDM O-ring by high pressure hydrogen"
Ryo TAKAISHI, Takaishi Industry Co. Ltd.
- PP15 "Study on higher order structure change of NBR rubber and the interaction between rubber and hydrogen molecules under the high-pressure hydrogen exposure by ab initio molecular orbital calculations"
Kentarou GOMA, Kogakuin University
- PP16 "On the Inhomogeneity in Acrylonitrile Butadiene Rubber during Hydrogen Elimination Process by Small Angle X-ray Scattering"
Keiko OHYAMA, Kyushu University