

OS1: The Seventh International Symposium on Innovative Energy Research I:
Advanced Materials and its Energy Application
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OS3: The Seventh International Symposium on Innovative Energy Research III: Multiphase
Energy Science and Technology Related to FSI Coupled Problems (Combination of
Monozukuri-Fluid Science/Engineering)

November 6, 2019

CON-1

- OS1/3-1 **Novel Fire Fighting Strategy based on Vacuum Extinguish Method (VEM) *(Invited)***
15:40-16:10 Yuji Nakamura (Toyohashi University of Technology, Japan), Taichi Usuki
(Hokkaido University, Japan), Kaoru Wakatsuki (Shinshu University, Japan)
- OS1/3-2 **Flame/Smoldering Spread in a Narrow Channel *(Invited)***
16:10-16:40 Kazunori Kuwana (Yamagata University, Japan)
- OS1/3-3 **Flow Pattern of Saturated Steam at Certain Dryness**
16:40-17:00 Shinichi Oki, Yoshiaki Tanzawa (Nippon Institute of Technology, Japan), Jun
Ishimoto (Tohoku University, Japan)
- OS1/3-4 **Impact of Elastic Properties on Phonon Energy Dispersion of Highly Ordered
Silicon Nanowires *(Invited)***
17:20-17:50 Min-Hui Chuang, Yiming Li, Ming-Yi Lee (National Chiao Tung University,
Taiwan), Daisuke Ohori (Tohoku University, Japan), Seiji Samukawa (Tohoku
University, Japan / National Chiao Tung University, Taiwan)
- OS1/3-5 **Coupling Simulation of Hydrogen Plasma and Flow Heat Transfer in MPCVD
Equipment**
17:50-18:10 Jin Shuai, Zou Xun, Zhang Yi Chi, Shen Qian Hao, Zhai Ming (Harbin Institute of
Technology, China)
- OS1/3-6 **Experiment and Simulation of a Rotating Pipe in Flight**
18:10-18:30 Yusuke Naito (Doshisha University, Japan), Hirochika Tanigawa (Maizuru
National College of Technology, Japan), Jun Ishimoto, Masami Nakano (Tohoku
University, Japan), Takashi Noguchi, Katsuya Hirata (Doshisha University, Japan)