OS1: The Eighth International Symposium on Innovative Energy Research I: Advanced Materials and its Energy Application
&
OS3: The Eighth International Symposium on Innovative Energy Research III: Multiphase Energy Science and Technology (Combination of Monozukuri-Fluid Science/Engineering)

October 28, 2020
ROOM2 (Meet)

OS1/3-1 9:20-9:40
On Electron Energy Bands of Si / $Si_{0.7}Ge_{0.3}$ Nanopillars
Min-Hui Chuang, Yiming Li, Daisuke Ohori (National Chiao Tung University, Taiwan), Seiji Samukawa (Tohoku University, Japan)

OS1/3-2 9:40-10:00
On a Rotating Hollow Cylinder in Flight
Mao Nagata (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)

OS1/3-3 10:00-10:20
Visualization of Flow Pattern of Saturated Steam for Gas-Liquid Two-Phase Flow
Shinichi Oki, Yoshiaki Tanzawa (Nippon Institute of Technology, Japan), Jun Ishimoto (Tohoku University, Japan)

OS1/3-4 10:20-10:40
Effect of Wood Species on the Hydrophobic Properties of Biofuel Obtained by Torrefaction
Alexey Korshunov, Boris Kichatov, Alexey Kiverin (Lebedev Physical Institute, Russian Academy of Sciences, Russia)

OS1/3-5 11:10-11:30
Estimation of Multiple Coefficients to Express Longitudinal and Transverse Electrostriction in the PTMO Crystal
Ai Suzuki, Masayuki Miyano, Ryuji Miura (Tohoku University, Japan), Gildas Diguet, Jean-Yves Cavaille, Gael Sebald (ELyTMaX UMI 3757, CNRS – Université de Lyon – Tohoku University, International Joint Unit, Tohoku University, Japan)

OS1/3-6 11:30-11:50
Inverse Magnetostrictive Properties for Magneto Stress-Impedance Characterization of Thin Films
Gildas Diguet (Tohoku University / ELyTMaX UMI 3757, CNRS – Université de Lyon – Tohoku University, International Joint Unit, Tohoku University, Japan), Kei Makabe, Hiroki Kurita, Joerg Froemel, Fumio Narita (Tohoku University, Japan)

OS1/3-7 11:50-12:10
Numerical Simulation of H and CH_3 Distribution in the Deposition Chamber
Zhang Yi Chi, Shen Qian Hao, Qi Hao Xuan, Zhai Ming (Harbin Institute of Technology, China)

OS1/3-8 12:10-12:30
Numerical Simulation of Microwave Chemical Vapor Deposition Chamber Reaction Process
Zhang Yi Chi, Qi Hao Xuan, Shen Qian Hao, Zhai Ming (Harbin Institute of Technology, China)