

Poster Session

Cells, Stacks, and Systems

- P01 **The Sputtering of Heusler Alloy Catalyst onto the Porous Anode of the Intermediate Temperature Solid Oxide Fuel Cells for Ammonia Disassociation**
H. Chao, T. C. K. Yang, S. F. Wang, and S. Q. Lu (National Taipei University of Technology)
- P02 **Power Generation Characteristics of Solid Oxide Fuel Cell Fueled By Nitrogenous Compound**
R. Morikawa, T. Sasaki, S. Ohyagi, and T. Wakabayashi (KRI, Inc.)
- P03 **High Performing and Durable Anode-Supported Solid Oxide Fuel Cell by Using Tape Casting, Lamination and Co-Firing Method**
A. Hussain (Korea Institute of Energy Research, University of Science and Technology), M. Z. Khan (Korea Institute of Energy Research), R. H. Song (Korea Institute of Energy Research, University of Science and Technology), J. E. Hong (Korea Institute of Energy Research), S. B. Lee, and T. H. Lim (Korea Institute of Energy Research, University of Science and Technology)
- P04 **Effectiveness Investigation of Using SOFC Power Modules for Landfill Gas Utilization in Russia**
Y. V. Volkova (Ural Industrial Company, Ural Federal University), N. Plotnikov (Ural Industrial Company), A. A. Volkova (Ural Federal University), P. A. Trubaev (Belgorod State Technological University), and O. V. Verevkin (TK Ekotrans Ltd)
- P05 **Electrochemical Characteristics of Solid Oxide Fuel Cell Using Gas from Biomass Gasification**
S. Yamaguchi (ORIST, Kyoto university), T. Ozaki, T. Suyama (ORIST), H. Muroyama, T. Matsui, and K. Eguchi (Kyoto University)
- P06 **Aerosol Deposition as a Promising Technique to Fabricating a Thin-Film Solid Electrolyte of Solid Oxide Fuel Cells**
S. I. Bredikhin, D. A. Agarkov (Institute of Solid State Physics RAS, Moscow Institute of Physics and Technology), E. Agarkova (Institute of Solid State Physics RAS), I. Burmistrov (Institute of Solid State Physics RAS, Moscow Institute of Physics and Technology), A. Cherkasov (Institute of Solid State Physics RAS), V. Pukha (Institute of Problems of Chemical Physics), D. Yalovenko (Institute of Solid State Physics RAS), and N. Lyskov (Institute of Problems of Chemical Physics)
- P07 **Two-Dimensional Temperature Distribution Estimation for a Cross-Flow Planar Solid Oxide Fuel Cell Stack**
J. Jiang, X. Wu, and W. Zhao (Huazhong University of Science and Technology)

Characterization and Testing

- P08 **Influence of Carbon Deposition on the Current Distribution in an Anode-Supported Planar Solid Oxide Fuel Cell in-Situ Assessed by Segmented Electrodes**
K. Sasaki, H. Nakajima, and T. Kitahara (Kyushu University)
- P09 **Operando NAP-HT-XPS and Impedance Spectroscopy Study of Pulsed Laser Deposited Ni-Ce_{0.9}Gd_{0.1}O_{2-δ} Solid Oxide Fuel Cell Electrode**
G. Nurk, K. Kooser, O. Korjus, R. Kanarbik (University of Tartu), S. Urpelainen (Lund University), T. Käämbre, U. Joost, M. Kook, M. Kodu, P. Möller, I. Kivi, M. Vestli (University of Tartu), J. J. Gallet, F. Bournel (Synchrotron SOLEIL), E. Kukk (University of Turku), and E. Lust (University of Tartu)