

Parallel Breakout Sessions - Presentation Order

Researcher

Presentation Title

Bioenergy

Dr. Akihiko Kondo Kobe University	Production of Biofuels and Chemicals from Lignocellulosic Biomass
Dr. Jean-Michel Lavoie Université de Sherbrooke	Adaptation of biomass conversion process to the chemical nature of the feedstock
Dr. Tomoko Ogi AIST	Overview of Woody Biomass Gasification and Liquid Fuel Synthesis using an Entrained-flow Gasifier
Dr. Emma Master University of Toronto	Harnessing Enzyme Specificity for Synthesis of High-value Bioproducts from Plant Biomass
Dr. Shiro Saka Kyoto University	Current Situations and future Prospects of Biofuels Development in Japan
Dr. Jack Saddler University of British Columbia	The Biorefinery Concept; using biomass as a feedstock to replace hydrocarbon use for transport

Hydrogen and Fuel Cell

Dr. Etsuo Akiba Kyushu University	Hydrogen storage materials: A key to the Hydrogen Economy
Dr. Viola Birss University of Calgary	Enhancing the Durability of Fuel Cell Materials
Dr. Shigenori Mitsushima Yokohama National University	Non-precious metal oxide electrocatalyst of fuel cells for green hydrogen
Dr. Jacques Huot Université du Québec à Trois-Rivières	Main activities in metal hydrides research at the Hydrogen Research Institute
Dr. Minoru Umeda Nagaoka University of Technology	Reaction-Selective Electrodes for Mixed Reactant Fuel Cell: Methanol Oxidation and Oxygen Reduction in O ₂ -Saturated Methanol Solution
Dr. Mohamed Mohamedi Institut national de la recherche scientifique	Nanotechnology and Nanostructuring Next Generation Fuel Cell Electrodes

Photovoltaic, Solar and Net-Zero Energy Buildings

Dr. Shigeru Niki AIST	Chalcogenide thin film solar cells for terawatt PV generation
Dr. Andreas Athienitis Concordia University	NSERC Smart Net-zero Energy Buildings Strategic Research Network
Dr. Yoshinori Nishikitani JX Nippon Oil & Energy Corp	Current Status and Future Prospects for Organic Solar Cells
Dr. Simon Fafard University of Ottawa	Advancements on High-Efficiency Multi-Junction Solar Cells with Improved Performance for Concentrated Photovoltaic (CPV) Deployments for Cost-Effective Renewable Energy Generation
Dr. Masafumi Yamaguchi Toyota Technological Institute	Importance of Photovoltaics to Overcome Problems Occurred by Nuclear Power Plant Accident
Dr. Rafael Kleiman McMaster University	High Efficiency <i>and</i> Low Cost Solar Cell Technologies