

## Kyushu University Platform of Inter/Transdisciplinary Energy Research (Q-PIT)

<Date> 9:00-12:30, 29<sup>th</sup> January 2019

<Venue> Inamori Hall, Kyushu University Ito Campus

<Language> English

<Theme> Q-PIT Workshop: 2<sup>nd</sup> Sheffield Kyushu Workshop on Electrochemical Energy Conversion

< Program and Speakers >

Time	Program and Speaker
9:00-9:05	<b>Opening Remarks</b>
9:05-9:20	● Hydrogen Research Activities at Kyushu University Kazunari Sasaki (Senior Vice President, Kyushu University, Japan)
9:20-9:40	● Invited Lecture: Energy 2050 at the University of Sheffield Kevin Hughes (Energy 2050, University of Sheffield, UK)
9:40-10:00	● Project Overview: Platinum-free Electrocatalysts for Fuel Cells Stephen Lyth (Q-PIT, Kyushu University, Japan)
10:00-10:20	● Invited Lecture: Multiphysics and Multiscale Modelling of PEFC Systems Mohammed Ismail (Energy 2050, University of Sheffield, UK)
10:20-10:40	● Microporous Layers in PEFCs: Combining Experiment with Theory Hironori Nakajima (Department of Mechanical Engineering, Kyushu University, Japan)
10:40-11:00	Coffee Break
11:00-11:20	● Invited Lecture: Functionalized Electroactive Carbons from Predesigned Polymer Frameworks Jet Sing Lee (Institute for Integrated Cell-Material Sciences (WPI-iCeMS), Kyoto University, Japan)
11:20-11:40	● Improved Pt Utilization in PEFCs by Polymer Coating of Nanocarbons Tsuyohiko Fujigaya (Department of Applied Chemistry, Kyushu University, Japan)
11:40-12:00	● Invited Lecture: Multi-scale Modelling of Electrochemical Systems Lin Ma (Energy 2050, University of Sheffield, UK)
12:00-12:20	● DFT Simulations of Electrochemical Systems Aleksandar Staykov (I2CNER, Kyushu University, Japan)
12:20-12:30	<b>Closing Comments</b> Stephen Lyth / Mohammed Ismail