



The Third Joint Symposium of Kyushu University and Yonsei University  
(SKY-3)



February 2nd, 2017

Chikushi Hall, Chikushi Campus, Kyushu University, Kasuga, Fukuoka, Japan



*Organized by*  
Interdisciplinary Graduate School of Engineering Sciences (IGSES)  
Kyushu University, Japan



*in association with*  
Kyushu University Platform of Inter/Transdisciplinary Energy Research (Q-PIT)  
Collaborative Graduate School Program for Global Human Resources Development in Energy  
and Environmental Science and Technology (CAMPUS Asia EEST)  
Kyushu University Program for Leading Graduate Schools “Advanced Graduate Program in  
Global Strategy for Green Asia”

## *Program*

### Thursday, February 2nd

08:50 - 09:20 **Registration** at Chikushi Hall, Chikushi campus

#### *Opening (Chair: Prof. J. Tanimoto)*

09:20 - 09:35 Opening Addresses

**Prof. Akira Harata** (Dean, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Japan)

**Prof. Yong Gun Shul** (Department of Chemical and Biomolecular Engineering, Yonsei University, Korea)

#### *Invited Lectures (Chair: Prof. M. Ohtaki)*

09:35 - 10:00 “Durable & High Performance PEM Catalyst Design”

**Prof. Yong Gun Shul** (Department of Chemical and Biomolecular Engineering, Yonsei University, Korea)

10:00 - 10:25 “Material Design of Single Crystalline Oxide Nanowires and Their Promises for Nano IoT Device Applications”

**Prof. Takeshi Yanagida** (Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Japan)

10:25 - 10:50 “Gas Separation Membranes Based on Amphiphilic Graft Copolymer”

**Prof. Jonghak Kim** (Department of Chemical and Biomolecular Engineering, Yonsei University, Korea)

10:50 - 11:00 *Coffee Break*

11:00 - 11:25 “High-performance Thermoelectricity in Synthetic Minerals Based on Copper and Sulfur”

**Prof. Koichiro Suekuni** (Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Japan)

11:25 - 11:50 “First Principles-based Design Concepts for Fuel Generation Materials”

**Prof. Byungchan Han** (Department of Chemical and Biomolecular Engineering, Yonsei University, Korea)

### ***Closing***

11:50 - 12:00 Closing Remarks and Group Photos

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### **Point of Contacts:**

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