

# 2016 SNU Solar Fuel Material Forum

- *Multiscale and Bioinspired Approach in Catalyst* -

May 11th (Wed), 2016

Room 517, Bldg. 38, Seoul National University, Korea

Chair: Ki Tae Nam (Seoul National University, Korea), Ryuhei Nakamura (RIKEN, Japan)

## PROGRAM

Session I		
08:30 - 09:00	Utilization of low-dimensional materials for high performance photoelectrochemical water splitting electrodes	Ho Won Jang (Seoul National Univ.)
09:00 - 09:30	Bioenergetic Restrictions on the Gene Structures of Photosynthetic and Respiratory Enzymes	Ryuhei Nakamura (RIKEN)
09:30 - 10:00	Shape-Controlled Nanoparticles for Electrocatalytic and Photocatalytic Reactions	Hyunjoo Lee (KAIST)
10:00 - 10:20 <b>Break</b>		
10:20 - 10:50	Advanced EPR Studies on Bio-mimetic Water Splitting Catalysts	Sun Hee Kim (KBSI)
10:50 - 11:20	Quantum Dynamics in Photosynthetic Light Harvesting	Akhito Ishizaki (Institute for Molecular Science, Okazaki)
11:20 - 11:50	Designing High-Performance Nanostructured Carbon-Based Electrocatalysts for Renewable Energy Conversion	Sang Hoon Joo (UNIST)
11:50 - 13:30 <b>Lunch</b>		
Session II		
13:30 - 14:00	Electrochemical Study on Environmental Adaptability of Photosynthesis	Shunji Naknishi (Osaka Univ.)
14:00 - 14:30	Synthetic Control of Excited-State Electron Transfer of Transition Metal Complexes for Catalytic Applications in Organic Transformations	Youngmin You (Ewha Womans Univ.)
14:30 - 15:00	Enzymology of anaerobic methane oxidation	Shawn E McGlynn (Tokyo metropolitan Univ. / Caltech)
15:00 - 15:20 <b>Break</b>		
15:20 - 15:50	Efficient and Stable Silicon Photoelectrochemical Cells for Solar Chemical Production	Jihun Oh (KAIST)
15:50 - 16:20	System Efficiency and Optimization of Solar to Hydrogen Conversion Process toward to the Technology Realization	Katsushi Fuji (Riken/Tokyo Univ.)
16:20 - 16:50	Atomic Distortion to control reaction intermediates in electrocatalyst	Ki Tae Nam (Seoul National Univ.)

Organizer



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