

**3rd International Workshop on  
Frontiers in Environmental Chemical Research  
in honor of Prof. Michael Hoffmann's 70th Birthday**

**Date:** November 11 (Fri), 2016

**Venue:** Environmental Eng. Bldg. #Rm 112, Pohang University of Science and Technology (POSTECH), Pohang, Korea

**Program**

Time	Invited Speaker	Lecture Title
10:00-10:10	<b>Prof. Hoffmann</b> (CALTECH)	<i>Welcome address</i>
10:10-10:45	<b>Detlef Bahnemann</b> (Leibniz U Hannover, Germany)	Converting Solar Energy into Storable Fuels: Understanding the Chemistry of the Underlying Photocatalytic Processes
10:45-11:20	<b>Jae Sung Lee</b> (UNIST, Korea)	Materials and Systems for Stand-Alone Solar Fuel Production
11:20-11:55	<b>Bunsho Ohtani</b> (Hokkaido U, Japan)	Fundamental Aspects of Particulate Photocatalysis beyond a Model of Micro-photoelectrochemical cell: Electron Traps and Light-intensity Dependence
12:00-1:30		<i>Lunch</i>
1:30-2:05	<b>Kazuhito Hashimoto</b> (NIMS, Japan)	Extracellular Electron Transfer <i>via</i> Conductive Minerals
2:05-2:40	<b>Gang Yu</b> (Tsinghua U, China)	Catalytic destruction of UOPs in flue gas of municipal waste incinerator: from laboratory to pilot
2:40-3:05	<b>Kwang-Ho Choo</b> (Kyungpook U, Korea)	Submerged membrane photoreactor treatment for water detoxification and reuse
3:05-3:30	<b>Hyunwoong Park</b> (Kyungpook U, Korea)	Stand alone CO <sub>2</sub> photoconversion to value-added chemicals
3:30-3:50		<i>Break</i>
3:50-4:25	<b>Xie Quan</b> (Dalian U of Tech., China)	Electrocatalytic reduction based strategy for removal of halogenated organic pollutants from water
4:25-4:50	<b>Kangwoo Cho</b> (KIST, Korea)	Environmental Electrochemistry: Achievements with Prof. Hoffmann and Their Continuation
4:50-5:25	<b>Tai Kyu Lee</b> (NanoPac, Korea)	NANOPAC Electrochemical Anode for Human Wastewater Treatment
5:25-5:50	<b>Wonyong Choi</b> (POSTECH, Korea)	Environmental Redox Processes at Interfaces: 25 years' research inspired by Prof. Hoffmann
		<i>Closing remarks</i>

**Organizer:** Wonyong Choi, POSTECH

(contact: [wchoi@postech.edu](mailto:wchoi@postech.edu); Tel. +82-54-279-2283)

**Organizing and Sponsoring Institutes:** POSTECH, BK21 Plus Program (Global Nexus for Environment, Energy and Climate), Global Research Lab. (NRF)