

**The 8th International ChemComm Symposia
at Ulsan National Institute of Science and Technology (UNIST)
and Ewha Womans University
at Ulsan National Institute of Science and Technology (UNIST) and Ewha Womans
University, Korea**

**Ewha Womans University
14 August 2015**

LG Convention Hall
Address: Bldg 52, Ewhayeodae-gil, Seodaemun-gu, Seoul 120-750, Korea

Friday 14 August

08:30	Registration
09:30	Opening Remarks Professor Wonwoo Nam & Professor Mi Hee Lim
	Session 1 Session Chair: Professor Jaeheung Cho
09:40	High Valent Metal Oxo and Nitrene Cores in Chemistry and Biology Professor Kallol Ray <i>Humboldt-Universität zu Berlin</i>
10:00	Lewis Acid Promoted Catalytic Oxidations by Redox Catalysts Professor Guochuan Yin <i>Huazhong University of Science and Technology</i>
10:20	A Coordination Chemistry of Low-valent Nickel Complexes Inspired by the CODH Active Site Professor Yunho Lee <i>KAIST</i>
10:40	Morning Tea
	Session 2 Session Chair: Dr Sun Hee Kim
11:00	Reactivity of Nitrido Complexes of Ruthenium(VI), Osmium(VI) and Manganese(V) Professor Tai Chu Lau <i>City University of Hong Kong</i>
11:20	Mechanistic Insight into Oxidation Reactions of Organic Substrates by Metal-Oxo and -Hydroxo Complexes: Switching the Reaction Mechanism Professor Takahiko Kojima <i>University of Tsukuba</i>
11:40	Understanding the Reactivity and Electronic Structure of Biomimetic Peroxo- and Hydroxo-Manganese Complexes Professor Timothy A. Jackson <i>University of Kansas</i>
12:00	Lunch Break
	Session 3 Session Chair: Professor Dong Heon Lee
13:40	Mononuclear Copper Active-oxygen Complexes Relevant to Reactive Intermediates of Copper Monooxygenases Professor Shinobu Itoh <i>Osaka University</i>
14:00	Elucidation of Binuclear Non-Heme Iron Enzyme Intermediates Professor Kiyong Park <i>KAIST</i>
14:20	Formation of Iron(III)-Hydroperoxo Species from Iron(III)-Superoxo Intermediate

	Professor Way-Zen Lee <i>National Taiwan Normal University</i>
14:40	Nucleophilic Reactivity of a Copper(II)-Superoxide Complex Professor Aidan R. McDonald <i>Trinity College Dublin</i>
15:00	Preparation, characterization and Reactivity of Iron(III) Porphyrin Hypochlorite Complexes as Models for Reactive Intermediates in Haloperoxidase Professor Hiroshi Fujii <i>Nara Women's University</i>
15:20	Afternoon tea
	Session 4 Session Chair: Professor Dongwhan Lee & Professor Jinheung Kim
15:40	Metals and Immunity: Bioinorganic Explorations of Human Calprotectin Professor Elizabeth M. Nolan <i>MIT</i>
16:00	Chemical Tools for Investigating Biological H₂S Professor Michael D. Pluth <i>University of Oregon</i>
16:20	Ion Mobility-Mass Spectrometry: From Structural Proteomics to Protein Folding Diseases Professor Brandon Ruotolo <i>University of Michigan</i>
16:40	Fluorescent "Crowdoxidation" Molecular Probes Professor David Churchill <i>KAIST</i>
17:00	Shedding Light on Cellular Magnesium Homeostasis Professor Dainela Buccella <i>New York University</i>
17:20	Functional Structural Dynamics Beyond the Second Coordination Sphere of a Metalloenzyme: A Single-Molecule FRET Study Professor Haw Yang <i>Princeton University</i>
17:40	A New Twist on Heme Function Professor Kara L. Bren <i>University of Rochester</i>
18:00	Closing Remarks The Royal Society of Chemistry Editor of Chemical Communications Professor Wonwoo Nam & Professor Mi Hee Lim
18:10	Final Reception
	Close of meeting