

# Towards a Sustainable Future

The 13th Hokkaido University - Seoul National University Joint Symposium

The 6th Hokkaido University - Nanjing University Joint Symposium

2010 HU - NU - SNU - NIMS/MANA Joint Symposium

[Date]

November 26 (Fri) – 27 (Sat) 2010

[Venue]

Lectures:

Lecture hall (Room 203/303), Building #5,  
Department of Chemistry,  
Graduate School of Science,  
Hokkaido University

Poster Presentation:

Lobby on the 2nd floor, Building #5,  
Department of Chemistry,  
Graduate School of Science,  
Hokkaido University

## Day 1 Friday, November 26, 2010

### OPENING REMARKS SESSION

- 08:30 Registration and coffee break  
09:00 Opening ceremony  
Welcome address / Professor Norio Miyaura (HU)  
Greeting addresses from each university  
Hokkaido University (HU) / Professor Noboru Kitamura  
Nanjing University (NU) / Professor Jianwei Zhao  
Seoul National University (SNU) / Professor Taek Dong Chung  
NIMS/MANA / Professor Kohei Uosaki

### SESSION 1

- 09:30 Plenary 1 Professor Tamotsu Inabe (HU)  
"Molecular crystals with electronic functionalities"  
10:10 Lecture 1 Professor Jianwei Zhao (NU)  
"Experimental and theoretical studies of energy materials"  
10:30 Lecture 2 Professor Taek Dong Chung (SNU)  
"Micro gold shells for creative combination between  
electrochemistry and surface enhanced Raman scattering"  
10:50 - 11:05 coffee break (15 min)

### SESSION 2

- 11:05 Lecture 3 Professor Tamaki Nakano (HU)  
"Interplay between chiral polymers and light"  
11:25 Lecture 4 Professor Junjie Zhu (NU)  
"Fabrication of new quantum dots and biosensing application"  
11:45 Lecture 5 Professor Tatsuya Tsukuda (HU)  
"Size-specific catalysis of gold clusters"  
12:05 - 13:30 lunch break (85 min)

### SESSION 3

- 13:30 Plenary 2 Professor Xinghua Xia (NU)  
"Interfacial behavior of biomolecules and biosensors"  
14:10 Lecture 6 Professor Yasuchika Hasegawa (HU)  
"Luminescent Lanthanide complexes with  
asymmetric coordination structures"  
14:30 - 14:45 coffee break (15 min)

### SESSION 4

- 14:45 Plenary 3 Professor Jin-Kyu Lee (SNU)  
"New synthetic method to mimic natural melanin polymers"  
15:25 Lecture 7 Professor Huangxian Ju (NU)  
"Bioanalysis by biofunctionalization of nanomaterials"

### SESSION 5

- 15:50 - 17:30 Poster oral presentation  
17:30 - 18:45 Poster presentation  
19:00 - 20:30 Banquet (Restaurant Elm)

## Day 2 Saturday, November 27, 2010

### SESSION 6

- 09:00 Plenary 4 Professor Kazunori Takada (NIMS/MANA)  
"Nanometer-scale interfacial design for solid-state lithium batteries"  
09:40 Lecture 8 Professor Byeong-Hyeok Sohn (SNU)  
"Nanoscale polymer micelles with fluorophores  
for tunable light emission"  
10:00 Lecture 9 Professor Jianxin Li (NU)  
"Synthesis and Inhibitory Effects on  
NO Production of Chromone Based Molecules"  
10:20 - 10:35 coffee break (15 min)

### SESSION 7

- 10:35 Lecture 10 Professor Hiroaki Misawa (HU)  
"Plasmon-Assisted Photocurrent Generation System"  
10:55 Lecture 11 Professor Masayoshi Higuchi (NIMS/MANA)  
"Electrochromic properties of organic-metallic hybrid polymers and  
their application to display devices"  
11:15 Lecture 12 Professor Masako Kato (HU)  
"Vapor-induced multichromic luminescence of  
platinum (II) complexes with dicarboxybipyridine"

### CLOSING REMARKS SESSION

- 11:35 - 11:55 Closing address / Professor Hiroki Habazaki (HU)  
12:00 - lunch

### Organizing Committee

Honorary Chair: Norio Miyaura (Emeritus Professor, Hokkaido University)  
Chair: Noboru Kitamura (Professor, Hokkaido University)  
Co-Chairs: Kohei Uosaki (Emeritus Professor, Hokkaido University, NIMS/MANA)  
Tamotsu Takahashi (Professor, Hokkaido University)  
Hasuck Kim (Emeritus Professor, Seoul National University)  
Hongxian Ju (Professor, Nanjing University)

### Program Committee:

Kei Murakoshi (Professor, Hokkaido University)  
Hiroki Habazaki (Professor, Hokkaido University)  
Bunsho Ohtani (Professor, Hokkaido University)  
Jianwei Zhao (Professor, Nanjing University)  
Taek Dong Chung (Professor, Seoul National University)

### Publication Office

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