

2012 Hokkaido University & Peking University Joint Symposium on Organic and Organometallic Chemistry

July 17, 2012
Sapporo, Japan

Organizing Committee

Professor Keiji Tanino (*Hokkaido University*)

Professor Jianbo Wang (*Peking University*)

Professor Norio Miyaura (*Hokkaido University*)

Professor Zhenfeng Xi (*Peking University*)

Professor Takeshi Ohkuma (*Hokkaido University*)

Venue

Room MC030, the Graduate School of Engineering, Hokkaido University, Sapporo, Japan

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PROGRAM

July 17 (Tuesday)

Morning Session

9:20- 9:30 *Opening Remarks* by Prof. Keiji Tanino

<Session 1> Chair: Prof. Jianbo Wang

9:30-9:55 Prof. Hajime Ito
“Luminescence Properties of Gold(I)-Isocyanide Complexes”

9:55-10:20 Prof. Zhang-Jie Shi
“Challenges in Organic Chemistry:
Direct Transformation of Inert C-X Bonds”

10:20-10:45 Prof. Toshifumi Satoh
“Synthesis of Clickable Rigid Rod Polymer”

10:45-11:05 *Coffee Break*

<Session 2> Chair: Prof. Hajime Ito

11:05-11:30 Prof. Zhenfeng Xi
“Synthesis of Semibullvalenes and Diazasemibullvalenes via
Synergistic Effect of Organo-di-Metallic Reagents”

11:30-11:55 Prof. Takanori Suzuki
“Intramolecular Triarylmethane-methylium Complex: Generation,
Properties and X-ray Structure of a C-H Bridged Carbocation”

11:55-12:20 Prof. Wen-Xiong Zhang
“Mechanism-based Organic and Organometallic Chemistry
of Carbodiimides”

12:20- *Lunch Break*

Afternoon Session

<Session3> Chair: Prof. Zhenfeng Xi

- 13:50-14:15 Prof. Masaya Sawamura
“Enantioselective Metal Catalysis with Cooperative Hydrogen Bonds in Protic Solvents: Copper-Catalyzed Carbonyl Alkynylation with Terminal Alkynes”
- 14:15-14:40 Prof. Liangbing Gan
“Synthesis of Heterofullerenes and Fulleroids”
- 14:40-15:05 Prof. Takeshi Ohkuma
“Asymmetric Hydrogenation of Ketones and Imines Catalyzed by Ru(II) Complexes”
- 15:05-15:25 *Coffee Break*

<Session 4> Chair: Prof. Keiji Tanino

- 15:25-15:50 Prof. Xiaoyu Li
“Programmed Molecular Interactions”
- 15:50-16:15 Prof. Hideaki Oikawa
“Reaction Mechanism on Enzymatic Polyether Formation”
- 16:15-16:40 Prof. Zhen Yang
“Diastereoselective Total Synthesis of (\pm) Schindilactone A”
- 16:40-17:00 *Coffee Break*

<Session 5> Chair: Prof. Takeshi Ohkuma

- 17:00-17:25 Prof. Tamotsu Takahashi
“Second Ring Adducts of Pentacene”
- 17:25-17:50 Prof. Jianbo Wang
“New Developments in Cross-Coupling involving Carbene Process”
- 18:30- *Banquet at Restaurant “Elm”*