



国立シンガポール大学と千葉大学の化学に関する  
ジョイントシンポジウム

**Joint Symposium on Chemistry between  
National University of Singapore and  
Chiba University**

国立シンガポール大学理学部化学科

Department of Chemistry, Faculty of Science, NUS

千葉大学融合科学研究科, 工学研究科, 薬科学研究科, 理学研究科  
Graduate Schools of Advanced Integration Science, Engineering,  
Pharmaceutical Sciences, and Science, Chiba University

工学部 13号棟アクティブラーニング教室

Engineering Building #13 2F Active Learning Room

2016年3月28日

March 28th, 2016

## Program

March 28th, 2016

Chairperson Takashi Karatsu

9:50 Opening Remarks: Professor Atsushi Nishida (Vice President, Chiba University)

10:00 Professor Richard Ming Wah WONG (NUS) 1  
"Application of Halogen Bonding to Catalysis"

10:45 Professor Atsushi NISHIDA (Pharmaceutical Sciences) 3  
"Synthesis of Chiral Hydrocarbazoles by Catalytic Asymmetric Diels-Alder Reaction"

11:15 Professor Yin Thai CHAN (NUS) 5  
"Heterostructured Colloidal Semiconductor Nanocrystals and their Applications in Optoelectronics"

12:00 Lunch

Chairperson Shigeru Takahara

13:20 Professor Toyokazu YAMADA (Integration Science) 7  
"Single Molecule Study by Means of STM Manipulation"

13:45 Professor Masami SAKAMOTO (Engineering) 9  
"Asymmetric Synthesis Using Crystal Chirality"

14:10 Professor Takayoshi ARAI (Science) 11  
"Exploration and Design of Diversity-Oriented Asymmetric Catalysis (DOAC)"

14:35 Professor Kazuhiro YOSHIDA (Science) 13

“Synthesis of Substituted Aromatic Compounds Using  
Ruthenium-Catalyzed Ring-Closing Metathesis“

15:00 Coffee Brake

Chairperson Masami Sakamoto

15:15 Professor John Hon Kay YIP (NUS) 15

"Metal-Polycyclic-Aromatic-Hydrocarbons and Cyclometalated  
Iridium Emitters"

16:00 Professor Takashi KARATSU (Engineering) 17

“Stereoselectivity in the Photochemical mer-fac Isomerization of  
Trisphenylpyrazolato Iridium (III) Complexes”

16:25 PhD Course Student, Mr. Kohei WATANABE (Engineering) 19

“Hydrazone-palladium Catalyzed One-molecular Reaction of Allyloxy  
Compound“

17:45 Professor Shiki YAGAI (Engineering) 21

“Metastable Molecular Assemblies: How to Design, How to Make?“

17:10 PhD Course Student, Mr. Mitsuaki YAMAUCHI (Engineering) 23

“Cooperative supramolecular polymerization via formation of  
hydrogen-bonded supermacrocycles“

17:30 Professor Shigeru TAKAHARA (Integration Science) 25

“Photo-reactive Dispersants of Anthracene Derivatives and  
Photo-Induced Precipitation of Carbon Nanotubes Using Visible  
Light Irradiation“

17:55 Concluding Remarks: Professor Richard Ming Wah WONG (NUS)

19:00 Dinner at sushi restaurant Midori

## Organizing Committee

Richard Ming Wah WONG (NUS)

John Hon Kay YIP (NUS)

Yin Thai CHAN (NUS)

Atsushi NISHIDA (Chiba University)

Shigeru TAKAHARA (Chiba University)

Takashi KARATSU (Chiba University)