



The 1st Joint Symposium of NTUT and OPU on Chemistry



National Taipei University of Technology and Osaka Prefecture University

2012. September 10th (Mon) 10:00-17:00

Osaka Prefecture University Science Hall (Faculty of Science Building A12)

Opening Remarks : 10:00-10:05

Hiroyuki Matsuzaka

Chairman : Masaaki Sato

Lecture 1. 10:05-10:25

“Electrospun Conjugated Polymer Nanofibers: Morphology, Properties, and Optoelectronic Applications”

Chi-Ching Kuo (NTUT)



Lecture 2. 10:25-10:45

“Development of Multifunctional Materials Using TTF-Benzothiazole Dyads” Hideki Fujiwara (OPU)



Lecture 3. 10:45-11:05

“Molecular Engineering of Triarylaminines for Dye-Sensitized Solar Cell Application” Shu-Mei Chang (NTUT)



Chairman : Fu-Yu Tsai

Lecture 4. 11:05-11:25

“Structural investigation of porous coordination polymers by an in-situ synchrotron powder diffraction experiment of gas adsorption”.

Yoshiki Kubota (OPU)



Lecture 5. 11:25-11:35

“Pressure Induced Phase Transition of $[\text{Co}(\text{bpy})_3][\text{NO}_3]_2$ Characterization by X-ray Diffraction and X-ray Absorption Spectroscopy”

Ya-Wen Li (NTUT: D1)



Lecture 6. 11:35-11:45

“Kinetic Resolution of Planar Chiral Arene Chromium Complex by Asymmetric Ring Closing Metathesis”

Wei-Yi Wu (OPU:PD)



Lecture 7. 11:45-11:55

“Preparation, characterization and application of TiO_2 nanotube array in Dye-Sensitized Solar Cells”

Shih-Yu Ho (NTUT: D3)



Chairman : Takahide Fukuyama

Lecture 8. 13:30-13:50

“Stereoselective Syntheses of *N*-Aryl Indole and Related Compounds with Axially Chiral N-C Bond by Planar Chiral (Arene)chromium Complexes”

Ken Kamikawa (OPU)



Lecture 9. 13:50-14:10

“Preparation and Characterization of Polyurethane/Multi-walled Carbon Nanotube Composites”

Hsin-Ta Wang (NTUT)



Lecture 10. 14:10-14:30

“A Bimetallic Ru₂Pt Complex Containing a Trigonal-Planar μ₃-Carbido Ligand: Formation, Structure, and Reactivity Relevant to The Fischer-Tropsch Process” Hiroyuki Matsuzaka (OPU)



Chairman : Shin Takemoto

Lecture 11. 14:40-15:00

“From Molecular Science to Dye-sensitized Solar Cells”

Chaochin Su (NTUT)



Lecture 12. 15:00-15:20

“Radical C-C Bond Forming Reactions Mediated by Borohydride Reagents”

Ilhyong Ryu (OPU)



Remarks : Chaochin Su (NTUT) 15:20-

15:30-17:30 Discussion with Students

After 17:30 Beer Party will be held in front of the Science Hall

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