

Program

October 25, 2011, Tuesday, Nanjing Ramada Hotel (南京华美达怡华酒店)

OPENING SESSION

8:00-8:10 Chairman: Jianwei Zhao (赵健伟)

Welcome address from each university

Each presentation includes 5-minute Q & A

SESSION1 Chairman: Masateru Taniguchi (谷口 正輝)

8:10 Manabu Kiguchi (木口 学)

“Electron Transport through Single Molecules of Aromatic Stacks Enclosed in Self-assembled Cages”

8:35 Haoli Zhang (张浩力)

“Charge Transport of “Core-Shell” Molecular Wires at the Single-Molecule Level”

9:00 Jun Terao (寺尾 潤)

“Synthesis of Molecular Wires for Use in Molecular Electronics”

9:25 Yanwei Li (李延伟)

“Theoretical investigations of the electron transport through cis-polyacetylene based single molecular wires”

9:50-10:05 *coffee break (15 min)*

SESSION2 Chairman: Zhidong Chen (陈智栋)

10:05 Leyong Wang (王乐勇)

“Quadruple Hydrogen-Bonded Linear Supramolecular Polymer Based on a Photochromic Dithienylethene”

10:30 Ryo Yamada (山田 亮)

“Magnetoresistance of single molecular junctions”

10:55 Tomofumi Tada (多田 朋史)

“Molecular orbital concept on spin-flip transport in a single molecular junction”

SESSION3 Chairman: Ryo Yamada (山田 亮)

11:20-11:40 Poster oral presentation (1 min/person)

11:40-12:10 Poster presentation

12:10-13:40 *Lunch break (90 min)*

SESSION4 Chairman: Leyong Wang (王乐勇)

13:40 Quli Fan (范曲立)

“Conjugated Polyelectrolytes with Various Topologies and Their Bioapplications”

14:05 Yutaka Ie (家 裕隆)

“Completely Encapsulated Oligothiophenes: Synthesis, Structure, Properties, and Single-molecule Conductance”

14:30 Youxuan Zheng (郑佑轩)

“Luminescence Properties of Phosphorescence Transition Metal Complexes”

14:55 Masateru Taniguchi (谷口 正輝)

“Third-Generation DNA Sequencing Technology Using Single-Molecule Analysis”

15:20-15:35 *coffee break (15 min)*

SESSIONS Chairman: Manabu Kiguchi (木口 学)

- 15:35 Hisao Nakamura (中村 恒夫)
"Theory of Molecular Rectification: Collaboration with First Principles Calculations and Experiments"
- 16:00 Yousoo Kim (金 有洙)
"Reaction control of a single molecule with STM"
- 16:25 Jianwei Zhao (赵健伟)
"Understanding of Electron Transfer through a Single Molecule"
- 16:50 *rest*
- 17:10— *dinner*

Organizing Committee

- Chair: Jianwei Zhao (Professor, Nanjing University)
- Co-Chair: Manabu Kiguchi (Associate Professor, Tokyo Institute of Technology)

Program Committee:

- Haoli Zhang (Professor, Lanzhou University)
- Zhidong Chen (Professor, Changzhou University)
- Leyong Wang (Professor, Nanjing University)
- Quli Fan (Professor, Nanjing University of Posts & Telecommunications)
- Feihe Huang (Professor, Zhejiang University)
- Yanwei Li (Professor, Guilin University of Technology)