



International Symposium

at Frontier Research Base for Global Young Researchers

November 5, 2014

Icho-Kaikan 3F

Suita Campus, Osaka University

- 10:00 Opening Remarks, Tomoyuki Kakeshita, Dean
Susumu Kuwabata, Director
- 10:15 Novel strategies for machining of difficult-to-cut materials, Tatsuya Sugihara
- 11:00 Hydrogen-tungsten interactions and in-situ material characterization for nuclear fusion, Heun Tae Lee
- 11:45 Break
- 13:15 Genetic engineering of Daphnia: Applications to molecular analysis of environmental sex determination, Yasuhiko Kato
- 14:00 Genome engineering by the chromosome splitting technology for molecular breeding of yeasts, Yu Sasano
- 14:45 Break
- 15:00 Numerical investigation of particle-liquid interaction for wet granulation, Kimiaki Washino
- 15:45 Short Presentations (3 minutes each)

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| - Sachiko Yoshihashi | - Hideaki Takata |
| - Hiromi Habara | - Yoichi Hoshimoto |
| - Youhei Takeda | - Ery Odette Fukushima |
| - Urara Hasegawa | - Hisashi Ishihara |
| - Atsushi Koizumi | - Yasutaka Kuwahara |
| - Noriaki Nakatsuka | - Taro Uematsu |

- 16:45 Poster Session (details on the back)
- 17:30 Closing Remark, Susumu Kuwabata, Director
- 18:00 Banquet

Sachiko Yoshihashi

“Expanding the optical technologies to the field of neutronics”

Hiromi Habara

“Modeling of Occupant Behavior for Estimating Energy Demand of Residential Buildings”

Youhei Takeda

“Synthesis, Characterization, and Properties of Phosphorus-analogues of Pyromellitic Diimides: An Entry to Phosphorus-containing Conjugated Electron-accepting Materials”

Urara Hasegawa

“Polymeric Nanomedicine for Therapeutic Gas Delivery”

Atsushi Koizumi

“Energy transfer processes for GaN host and Eu luminescent centers in Eu-doped GaN”

Noriaki Nakatsuka

“Research on Combustion and Biomass Energy Utilization”

Hideaki Takata

“Development of novel methods to visualize higher order structure of chromosome”

Tatsuya Sugihara

“Novel strategies for machining of difficult-to-cut materials”

Heun Tae Lee

“Hydrogen-tungsten interactions and in-situ material characterization for nuclear fusion”

Yasuhiko Kato

“Genetic engineering of Daphnia: Applications to molecular analysis of environmental sex determination”

Yu Sasano

“Genome engineering by the chromosome splitting technology for molecular breeding of yeasts”

Kimiaki Washino

“Numerical investigation of particle-liquid interaction for wet granulation”

Yoichi Hoshimoto

“Practical Synthesis of Arene Coordinated Nickel Complexes”

Ery Odette Fukushima

“Combinatorial biosynthesis of high-value plant secondary metabolites”

Hisashi Ishihara

“Design and development of a child android with high flexibility, durability, and expressiveness”

Yasutaka Kuwahara

“Unprecedented Catalytic Activity Enhancement on Titanosilicate Molecular Sieves by Cation- π Interactions”

Taro Uematsu

“Surface Chemistry and Optical Properties of Semiconductor Nanoparticles”

