Graduate School of Engineering
Osaka University

「テニュアトラック普及・定着事業」
（平成 23 年度採択）

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)

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

16:45 Poster Session (details on the back)

17:30 Closing Remark, Susumu Kuwabata, Director

18:00 Banquet

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Poster Session

SachikoYoshihashi	“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”