

International Young Researchers Empowerment Center Symposium

September 2nd (Wed), 2009

SUNS Lecture Room 32 at Ueda Campus

Shinshu University

SUNS Relay Broadcast:

Room 211, Sch. of General Education at Matsumoto Campus

SUNS Meeting Room at Minamiminowa Campus

Lecture Room 103 at Nagano-Engineering Campus

CERT 2F SUNS Lecture Room at Nagano-Education Campus

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| 10:00- Opening Speech
Prof. Toshihiro HIRAI | 14:00- Break |
| 10:05- Protein Engineering and Structure Analysis toward
Protein Design
Ryoichi ARAI (Ueda) | 14:15- Forces of Monolayers at an Air/Water Interface
Cathy E. McNAMEE (Ueda) |
| 10:20- Function of <i>B. subtilis</i> D,L-endopeptidases
Masayuki HASHIMOTO (Ueda) | 14:30- Exploiting Interdisciplinary Areas of Solution
Chemical Physics, Soft-condensed Matter/Colloid
Physics, and Biophysics
Takaaki SATO (Ueda) |
| 10:35- Science of Variant Behavior
Tohru MORIYAMA (Ueda) | 14:45- Autonomously Oscillating Hydrogel Microspheres
Daisuke SUZUKI (Ueda) |
| 10:50- Break | 15:00- Metal Nanoparticle Synthesis Using Poly(ethylene
oxide)-poly(propylene oxide) Block Copolymers in
Solutions
Toshio SAKAI (Nagano-Engineering) |
| 11:00- Mechanism of Wood Formation at the Ultrastructural
Level in Trees
Yoshihiro HOSOO (Minamiminowa) | 15:15- Break |
| 11:15- Activation of Silent Genes in Actinomycetes and
Discovery of a New Antibiotic by Modulating the RNA
Polymerase and/or Ribosome
Takeshi HOSAKA (Minamiminowa) | 15:30- Evolutionary Many-objective Optimization
Hernan AGUIRRE (Nagano-Engineering) |
| 11:30- Immunoregulation of Probiotic Bacterial DNA
Takeshi SHIMOSATO (Minamiminowa) | 15:45- Study on Locomotion Systems for Lunar Rovers
Kojiro IIZUKA (Ueda) |
| 11:45- Elucidation of Plant Resistance Mechanism and its
Application to Engineering Pathogen-resistant Plants.
Shinpei KATOU (Minamiminowa) | 16:00- Human-agent Interaction by Means of Users'
Cognitive Features
Takanori KOMATSU (Ueda) |
| 12:00- Lunch Break | 16:15- Evaluations of Thermal Comfort and Heat Risk based
on Heat and Vapor Transfer
Tomonori SAKOI (Ueda) |
| 13:00- Quantum Analogue of the Poincaré Recurrence
Theorem
Itaru SASAKI (Matsumoto) | 16:30- Closing Remarks
Prof. Yutaka KARASAWA |
| 13:15- Probability and Stochastic Differential Equation
Bin XIE (Matsumoto) | 17:00- Poster Session & Reception at Mulberry Hall 2F |
| 13:30- Kinetic and Mechanistic Studies of Biochemical
Reactions by Electrochemical Measurements
Hirosuke TATSUMI (Matsumoto) | |
| 13:45- Synthesis of Supramolecular Polyrotaxane Derivatives
for Development of Functional Slide-Ring Materials
Jun ARAKI (Ueda) | |

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