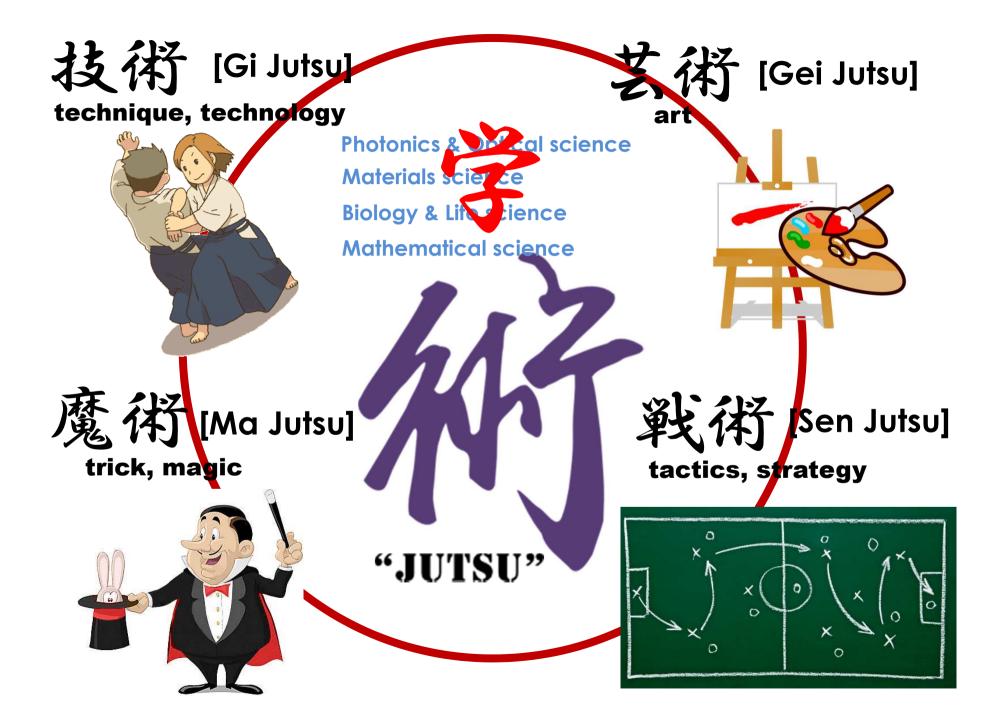
THE 16TH RIES-HOKUDAI INTERNATIONAL SYMPOSIUM



NOVEMBER 10(TUE)-11(WED), 2015 CHATERAISE GATEAUX KINGDOM SAPPORO, JAPAN

joined with the 6th International Symposium of Nano-Macro Materials, Devices, and System Research Alliance Project





THE 16TH RIES-HOKUDAI INTERNATIONAL SYMPOSIUM



Plenary Lecture 1

Tomokazu IYODA (Tokyo Institute of Technology) "Nano/micro scale materials templated from block copolymers, algae, and proteins"

Plenary Lecture 2

Hideo OHNO (Tohoku University) "Spintronics materials and devices for nonvolatile CMOS VLSIs"



Session 1: Advanced optical measurement for structural and functional analysis

Che Alex MA (Academia Sinica) "Structural biology in infectious diseases"

Ken KOJIO (Kyushu University)

"Molecular aggregation structure analysis of polymer materials based on time-resolved scattering and diffraction measurements with synchrotron radiation x-ray"

Hiroshi UJI-I (Hokkaido University)

"Remote excitation of surface enhanced Raman and fluorescence for single cell interrogation"



Session 2: Engineering of functional materials for electronic devices

Sung Wng KIM (Sungkyunkwan University) "Boundary engineering for high performance bulk thermoelectrics"

Masataka HIGASHIWAKI (National Institute of Information and Communications Technology) "Gallium oxide device technology for future power electronics"

Kiyoharu TADANAGA (Hokkaido University) "Modification of solid interface by sol-gel process"



Session 3: Strategies on biological science

Kwanwoo SHIN (Sogang University)

"Mimicking artificial cellular structures: Liposomes incorporating with extracellular matrix protein, membrane proteins, and cytoskeleton"

Masaki TANIGUCHI (Osaka University) "Single-molecule electrical sequencing technique"

Takanobu YAMANOBE (Hokkaido University)

"Transient dynamics of neurons and the information carrier in nervous systems"



Session 4: Multidisciplinary viewpoints in applied mathematics

Shin-Ichiro EI (Hokkaido University) "Shape-dependent motion of interacting camphor"

Yoshinobu KAWAHARA (Osaka University) "Structured sparse learning with submodular optimization"

Zin ARAI (Hokkaido University) "On combinatorial methods for dynamical systems and fluid mechanics"



























Poster Award Ceremony



Best Poster Award

Poster Award

Poster Award

No.1A Ms. Beatrice Fortuni (KU Leuven) **No.12C** Ms. Yuka Aoyagi (Hokkaido University)

No.39B

Mr. Yuki Suzuki (Hokkaido University)









Other



KARAOKE



Organizers

Prof. Yoshinori NISHINO

Prof. Masaharu NAGAYAMA

Prof. Hideki FUJIWARA

Prof. Hideo KAIJU

Prof. Michihiko YAMANOUCHI

Prof. Elliott GINDER

Prof. Takayoshi KATASE

Prof. Shigeru KURODA

Prof. Hideyuki MITOMO

Prof. Rikiya YOSHIDA

Secretaries

Mr. Yoichi ISEYA Ms. Megumi TSUBOI Ms. Tomomi SHIBATA Co-organizing Institutes THE 16TH RIES-HOKUDAI INTERNATIONAL SYMPOSIUM

Nano-Macro Materials, Device, and System Research Alliance

Institute of Multidisciplinary Research for Advanced Materials, Tohoku University

Chemical Resources Laboratory, Tokyo Institute of Technology 🌺

Institute of Scientific and Industrial Research, Osaka University

Institute for Materials Chemistry and Engineering, Kyushu University IMGE