

SSSN-KANSAI

**Symposium on Surface Science &
Nanotechnology
-25th Anniversary of SSSJ Kansai-**

Program & Time Table

January 24-25, 2017

**Kyoto International Community House
(KOKOKA), Kyoto, Japan**

**Organized by the Kansai Branch, Surface
Science Society of Japan (SSSJ)**

Program

*Program numbers with 'Y' indicate SSSN-KANSAI Young Researcher Award candidates.

January 24 (Tuesday)

Event Hall (10:30 – 12:20)

Opening

10:30-10:40 T. Matsumoto

Plenary Session

Chair: K. Moritani (Univ. Hyogo)

10:40-11:30 24P-1 **Development of Highly Spin-Polarized and High Brightness LEEM and Application to Spintronics Materials (Invited)**
T. Koshikawa,
Osaka Electro-Communication Univ., Japan

Chair: J. Kanasaki (Osaka Univ.)

11:30-12:20 24P-2 **3D Observation of Atoms and Electrons by Two-dimensional Photoelectron Spectroscopy (Invited)**
H. Daimon,
Nara Institute of Science and Technology, Japan

Lunch Break (12:20 - 13:40)

Event Hall (13:40 – 16:00)

Session 6: Energy and Environmental Technologies

Chair: S. Tanaka (AIST)

13:40-14:10 24S6-I1 **Influence of Transition Metals on PdM Alloy Nanocatalysts for Electrochemical Oxygen Reduction (Invited)**
P. Bharali,
Tezpur Univ., India

14:10-14:25 24S6-O1Y **The Effect of pH on Optical Intensities of a Ruthenium(II) Phenanthroline-Thiourea Complex: An Experimental and Theoretical Investigation**
S. S. Tan^{1,2}, M. B. Kassim^{2,3}, K. Inagaki¹ and Y. Morikawa¹
¹*Osaka Univ., Japan.*, ²*School of Chemical Sciences and Food Technology, Universiti Kebangsaan Malaysia, Malaysia.* ³*Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia*

14:25-14:40 24S6-O2 **Lubrication of Carbon-Based Materials Analyzed by Molecular Dynamics**
H. Washizu, T. Maeda, H. Akiyama and M. Konishi
Univ. of Hyogo, Japan

Coffee Break (14:40 – 15:00)

15:00-15:30 24S6-I2 **Degradation of Battery Performance and the Surface State of Electrode Materials (Invited)**
H. Sakaebe
National Inst. of Advanced Industrial Science and Technology (AIST), Japan

15:30-15:45 24S6-O3 **Analysis of Structure and Interface Between Organic Molecules and Solid Materials using Liquid Frequency Modulation Atomic Force Microscopy**
T. Minato, Y. Araki and H. Onishi
Kyoto Univ., Japan

15:45-16:00 24S6-O4 **Long Range Quenching Process via the Au Substrate for Photoexcited Quaterthiophene-End-Groups in Alkanethiolate-Derivative Self-Assembled Monolayers**
H. S. Kato, Y. Murakami, R. Saitoh, Y. Osumi, D. Okaue, Y. Kiriyama, T. Yamada and T. Munakata
Osaka Univ., Japan

Room A (13:40 – 16:00)

Session 5: Development on Instrumentation & Characterization

Chairs: A. Yoshigoe & K. Yoshii (Japan Atomic Energy Agency)

13:40-14:10 24S5-I1 **Spin Dynamics at Buried Magnetic Layers, Probed by Free-electron Laser and Synchrotron Radiation (Invited)**
I. Matsuda
Univ. of Tokyo, Japan

14:10-14:25 24S5-O1Y **Simultaneous Characterization of Tunneling Current and Local Contact Potential Difference on Rutile TiO₂(110) Surface by AFM/KPFM**
H. F. Wen, Q. Z. Zhang, Y. Naitoh, Y. J. Li and Y. Sugawara
Osaka Univ., Japan

14:25-14:40 24S5-O2 **Progress in Nano-Spectroscopic Study by Photoemission Electron Microscopy (PEEM) in SPring-8**
T. Ohkochi
Japan Synchrotron Radiation Research Institute (JASRI), Japan

Coffee Break (14:40 – 15:00)

- 15:00-15:30 24S5-12 **Application of Resonant Inelastic Soft X-ray Scattering to the Research of Interlayer Electronic Structures (Invited)**
J. Okamoto
National Synchrotron Radiation Research Center (NSRRC), Taiwan
- 15:30-15:45 24S5-O3 **Liquid Adsorption and Desorption on Solid Surfaces Measured with Ambient-SIMS**
J. Matsuo, T. Seki and T. Aoki
Kyoto Univ., Japan
- 15:45-16:00 24S5-O4 **The Investigation of Local Dipole Moment on TiO₂(110) Surface by Electrostatic Force Microscopy**
Y. J. Li, H. F. Wen, Y. Naitoh and Y. Sugawara
Osaka Univ., Japan

Room B&C (16:10 – 17:30)

Poster Session

Chair: M. Kitta (AIST)

***core time**

- | | |
|----------------------------|--|
| odd program number | January 24, from 16:10 PM to 17:30 PM |
| even program number | January 25, from 9:15 AM to 10:35 AM |

Special Conference Room (17:50 - 20:00)

Banquet

*Program numbers with 'Y' indicate SSSN-KANSAI Young Researcher Award candidates.

January 25 (Wednesday)

Room B&C (9:15 – 10:35)

Poster Session

Chair: M. Kitta (AIST)

***core time**

odd program number **January 24, from 16:10 PM to 17:30 PM**
even program number **January 25, from 9:15 AM to 10:35 AM**

Coffee Break (10:35 – 10:50)

Event Hall (10:50 – 14:15)

Session 3: Surface Structure

Chairs: T. Kanki (Osaka Univ.) & Y. Nakamura (Mitsubishi Electric Co.)

10:50-11:20 25S3-I1 **Real-space Mapping of Photo-Generated Carriers in Semiconductor Nanostructure (Invited)**
D.-W. Kim,
Ewha Womans Univ., Korea

11:20-11:50 25S3-I2 **Modulation of Physical Properties by Ion Transport under an Electric Field in Oxide Films (Invited)**
Run-Wei Li
Chinese Academy of Sciences, China

Lunch Break (11:50-13:00)

13:00-13:30 25S3-I3 **Metal-Silicon-Oxygen Ternary Reaction Control at Oxide/Silicon Interface by Pulsed Laser Deposition (Invited)**
Y. Hotta
Univ. of Hyogo, Japan

13:30-13:45 25S3-O1Y **Vacuum Ultraviolet Photomodification for Bottom-Up Selective Assembling of Organosilanes**
A.I. A. Soliman, T. Utsunomiya, T. Ichii and H. Sugimura
Kyoto Univ., Japan

13:45-14:00 25S3-O2 **Ex-situ STM and XPS Analysis of TiO₂(110) Surfaces Exposed to Humid Environments**
A. Sasahara^{1,2}, T. Murakami¹ and M. Tomitori¹
¹JAIST, Japan, ²Kobe Univ., Japan

14:00-14:15 25S3-O3 **Organic Functionalization of Graphene through Binding of Radicals Generated in Reaction Mixture**
Md. Zakir Hossain
Gunma Univ., Japan

Room A (10:50 – 14:15)

Session 2: Surface Electronic States

Chair: J. Kanasaki (Osaka. Univ.)

10:50-11:20 25S2-I1 **Momentum Space View of the Ultrafast Dynamics of Surface Photocurrents on Topological Insulators (Invited)**
U. Höfer¹, K. Kuroda², J. Reimann¹ and J. Güdde¹
¹*Philipps-Universität Marburg, Germany,* ²*ISSP, Univ. of Tokyo, Japan*

11:20-11:50 25S2-I2 **Exploration of Hidden Spin Polarized Electron by High-resolution Spin- and Angle-Resolved Photoemission (Invited)**
T. Okuda
Hiroshima Univ., Japan

Lunch Break (11:50-13:00)

13:00-13:30 25S2-I3 **A Chemically Driven Quantum Phase Transition in a Two-Molecule Kondo System (Invited)**
F. S. Tautz
Forschungszentrum Jülich, Germany

13:30-13:45 25S2-O1Y **Ambipolar Surface Photovoltaic Shift of Bulk Insulating Topological Insulator Bi₂Te₃**
T. Yoshikawa¹, K. Sumida¹, Y. Ishida², J. Chen¹, M. Nurmamat¹, K. A. Kokh³, O. E. Tereshchenko³, S. Shin² and A. Kimura¹
¹*Grad. Sch. Sci., Hiroshima Univ., Japan,* ²*ISSP., Univ. of Tokyo, Japan,* ³*Novosibirsk State Univ., Russia*

13:45-14:00 25S2-O2Y **Image Potential States of Lead Phthalocyanine on Graphene from First Principles**
H. Sawada, S. A. Wella, Y. Hamamoto, K. Inagaki and Y. Morikawa
Osaka Univ., Japan

14:00-14:15 25S2-O3 **Direct Visualization of Localized/Delocalized Nature of Unoccupied States at the Rubrene/Graphite Interface**
T. Yamada, M. Kinoshita, K. Araragi, T. Ueba, H. S. Kato and T. Munakata
Osaka Univ., Japan

Coffee Break (14:15-14:30)

Session 4: Nanomaterials: Fabrication and Functionality

Chair: H. Sugimura (Kyoto Univ.) & M. Takizawa (Ritsumeikan Univ.)

- 14:30-15:00 25S4-I1 **Surface Features and Friction in Thin Film Lubrication (Invited)**
Om P. Khatri
CSIR-Indian Institute of Petroleum, India
- 15:00-15:30 25S4-I2 **Nanoparticle Assembling and Molecular Crystallization at Solution Surface by Laser Trapping (Invited)**
T. Sugiyama
National Chiao Tung Univ., Taiwan
- 15:30-15:45 25S4-O1Y **Nanowire Growth on MoS₂**
D. Kiriya^{1,2}, Y. Zhou¹, D. C. Chrzan¹, A. Javey¹
¹*Univ. California, USA, ²Osaka Prefecture Univ., Japan*
- 15:45-16:15 25S4-I3 **Determine the Band Alignment of 2D Materials by Synchrotron Radiation Spectromicroscopy (Invited)**
C.-H. Chen
National Synchrotron Radiation Research Center (NSRRC), Taiwan
- 16:15-16:30 25S4-O2Y **Fabrication of Acene-Type Graphene Nanoribbons on Au(111)**
S. Song, T. Kojima, T. Nakae and H. Sakaguchi
Kyoto Univ., Japan
- 16:30-16:45 25S4-O3 **Single-Molecule Diode via Voltage Induced Deformations of Molecular Orbitals in Single-Molecule Junctions of Carbazole Oligomers**
R. Yamada¹, K. Albrecht², T. Ohto¹, K. Minode¹, K. Yamamoto² and H. Tada¹
¹*Osaka Univ., Japan, ²Tokyo Inst. of Tech., Japan*

Room A (14:30 – 16:45)

Session 1: Surface Molecular Dynamics

Chairs: H. Okuyama (Kyoto Univ.) & T. Kumagai (Fritz-Haber Institute)

- 14:30-15:00 25S1-I1 **Tip-Enhanced Inelastic Electron Tunneling Spectroscopy (Invited)**
Y. Jiang
Peking University, China
- 15:00-15:30 25S1-I2 **Heat-/Electron-/Light-/Force-Induced Tautomerization in a Single Porphycene Molecule (Invited)**
T. Kumagai
Fritz-Haber Institute of the Max-Planck Society, Germany
- 15:30-15:45 25S1-O1Y **The Reactivity of Methyl Chloride with Si/Cu(410) and Si/Ag(111) Superstructures**
K. Takeyasu and M. Okada
Osaka Univ., Japan
- 15:45-16:15 25S1-I3 **High-Tc Ferroelectric Ordering of Strongly Correlated and Frustrated Protons in Heteroepitaxial Ice Film (Invited)**
T. Sugimoto
Kyoto Univ., Japan

- 16:15-16:30 25S1-O2 **Diffusion Mechanism of Metal Ions at Ionic Liquid/Electrode Interface Studied by Operando Scanning Electrochemical XPS**
A. Imanishi¹, S. Kusumoto¹, M. Hirogaki¹, T. Tsuda², S. Kuwabata²
and K. Fukui¹
¹Grad. Sch. of Eng. Sci., Osaka Univ., Japan, ²Grad. Sch. of Eng., Osaka Univ., Japan
- 16:30-16:45 25S1-O3Y **Reaction Pathway of Atomic Hydrogen with N-Adsorbed Cu(001) Surface**
T. Hattori, M. Yamada and F. Komori
ISSP, Univ. of Tokyo, Japan

Event Hall (16:50 – 17:10)

Closing

Young Researcher Awards ceremony is included.

Poster Session

Room B&C

Chair: M. Kitta (AIST)

*core time

odd program number **January 24, from 16:10 PM to 17:30 PM**
even program number **January 25, from 9:15 AM to 10:35 AM**

- PS-1 **Reactions of Atomic Defects on Metal Oxide Surface**
T. Minato^{1,2}, T. Nakayama³, M. Kawai^{4,5} and Y. Kim¹
¹RIKEN, Japan, ²Kyoto Univ., Japan,, ³Chiba Univ., Japan, ⁴Institute for Molecular Science, Japan, ⁵Univ. of Tokyo, Japan
- PS-2Y **Possible Formation of C₂₀ Fullerene Polymers on Ag Surface**
K. Hirashige, S. Kurokawa and A. Sakai
Kyoto Univ., Japan
- PS-3Y **The Role of Steps in the Adsorption of CO on Cu Surface**
T. Makino¹, A. Kokalj² and M. Okada¹
¹Osaka Univ. Japan, ²Jožef Stefan Institute, Slovenia
- PS-4Y **H₂ Adsorption on Pd(210): Nuclear Spin Species Separation and Conversion**
E. Arguelles and W. A. Diño
Osaka Univ., Japan
- PS-5 **Time-Resolved XMCD Study of Ferromagnetic Insulating BaFeO₃ Thin Films**
H. Wadati^{1,2}, T. Tsuyama^{1,2}, S. Chakraverty³, N. Pontius⁴, C. Schüßler-Langeheine⁴, H. Y. Hwang^{3,5} and Y. Tokura^{2,3}
¹ISSP Univ. of Tokyo, Japan, ²Dept. of Appl. Phys., Univ. of Tokyo, Japan,, ³RIKEN CEMS, Japan,, ⁴HZB BESSYII, Germany, ⁵Stanford Univ., USA
- PS-6Y **Effect of Oxygen Atom on the Electrode on the Single-Molecule Conductance**
H. So, H. Okuyama, S. Hatta and T. Aruga
Kyoto Univ., Japan
- PS-7Y **Discrete-Charge-Fluctuation Dynamics of Molecules Detected by Carbon Nanotube Single Charge Sensors**
H. Fujii¹, A. Setiadi¹, M. Akai-Kasaya¹, S. Kasai², K. Yamashita³, T. Ogawa³, Y. Kanai⁴, K. Matsumoto⁴ and Y. Kuwahara¹
¹Grad. Sch. Eng., Osaka Univ., Japan, ²Hokkaido Univ., Japan, ³Grad. Sch. Sci., Osaka Univ., Japan, ⁴ISIR, Osaka Univ., Japan
- PS-8Y **Microscopic Analysis of Electric Double Layer Formed at Aqueous Solution / Graphite Electrode Interfaces by Molecular Dynamics Simulation.**
M. Imai¹, Y. Yokota², I. Tanabe¹, K. Inagaki³, Y. Morikawa³ and K. Fukui¹
¹Grad. Sch. Eng. Sci. Osaka Univ., Japan, ²RIKEN, Japan, ³Grad. Sch. Eng. Osaka Univ., Japan
- PS-9 **Cytochrome c/DNA Co-Assembling at Air-Water Interface**
P. K. Paul^{1,2}, D.-C. Che¹, H. Kishimoto¹, K. Araki¹ and T. Matsumoto¹
¹Osaka Univ., Japan, ²Jadavpur Univ., India
- PS-10 **Initial Gas Dissolution Dynamics at the Gas-Liquid Interface Studied by Using an Ionic Liquid Beam**
H. Ohoyama¹ and T. Teramoto²
¹Osaka Univ., Japan, ²Ritsumeikan Univ., Japan

- PS-11 **Desorption and Ionization of Organic Molecules Induced by Large Cluster Ion Collision**
Y. Higashihara, A. Tanaka, K. Moritani and N. Inui
Univ. of Hyogo, Japan
- PS-12Y **Simultaneous Analysis of NH₃ and NH₄⁺ Adsorbed on Zeolite Surfaces by NIR Spectroscopy**
M. Takeuchi, T. Tsukamoto and M. Matsuoka
Osaka Pref. Univ., Japan
- PS-13 **Electron and Core-Hole Dynamics Probed by Auger Electron Spectroscopy**
H. Ikeura-Sekiguchi¹ and T. Sekiguchi²
¹*AIST, Japan,* ²*JAEA, Japan*
- PS-14 **Direct Imaging of Surface Electron Relaxation and Surface Conduction Band Structures of Ge(001) and (111) Surfaces**
J. Kanasaki¹, I. Yamamoto², J. Azuma², and S. Fukatsu³
¹*Osaka Univ., Japan,* ²*Saga Univ., Japan,* ³*Univ. of Tokyo, Japan*
- PS-15 **Probing Electronic Alignment between Organic Dye Molecule and Gold Film Interface by Kelvin Probe Force Microscope**
M. Yamada, N. Tange, Y. Otsuka and T. Matsumoto
Osaka Univ., Japan
- PS-16Y **Surface Analysis of Dissimilatory Metal-Reducing Bacteria by a Reduction of Metal Ions**
K. Ishiki, H. Shiigi and T. Nagaoka
Osaka Pref. Univ., Japan
- PS-17Y **Hard and Soft X-Ray Scattering Study of Charge and Magnetic Orderings in La_{1/3}Sr_{2/3}FeO₃ Thin Films**
K. Yamamoto^{1,2}, Y. Hirata^{1,2}, M. Horio², Y. Yokoyama^{1,2}, K. Takubo¹, M. Minohara³, H. Kumigashira³, Y. Yamasaki^{4,5}, H. Nakao³, Y. Murakami³, A. Fujimori¹ and H. Wadati^{1,2}
¹*ISSP, Univ. of Tokyo, Japan,* ²*Dept. of Phys., Univ. of Tokyo, Japan,* ³*IMSS, KEK, Japan* ⁴*Dept. of Appl. Phys., Univ. of Tokyo, Japan,* ⁵*CEMS, RIKEN, Japan*
- PS-18Y **Direct Evidence of Hidden Local Spin Polarization in Novel Superconductor LaO_{0.55}F_{0.45}BiS₂**
S. Wu¹, K. Sumida², K. Miyamoto¹, K. Taguchi², T. Yoshikawa², A. Kimura², Y. Ueda¹, M. Nagao³, S. Watauchi³, I. Tanaka³ and T. Okuda¹
¹*Hiroshima Synchrotron Radiation Center (HSRC), Hiroshima Univ., Japan,* ²*Graduate School of Science, Hiroshima Univ., Japan,* ³*Center for Crystal Science and Technology (CCST), Yamanashi Univ., Japan*
- PS-19 **First-Principles Study of Charge Transfer Mechanism in the Li-Insertion Process on a LiTi₂O₄ Surface**
M. Kitta, S. Tanaka and M. Kohyama
National Institute of Advanced Industrial Science and Technology (AIST), Japan
- PS-20 **Nanoscale Electrical Measurement of Ru Binuclear Complex by Conductive Probe AFM**
T. Takagi¹, Y. Otsuka¹, H. Ozawa², M. Haga² and T. Matsumoto¹
¹*Osaka Univ., Japan,* ²*Chuo Univ., Japan*
- PS-21 **X-Ray Absorption Study of Possible Cathode Material Pr_{1-x}Sr_xCoO₃**
K. Yoshii and D. Matsumura
JAEA, Japan
- PS-22Y **Electronic Structure of In/Si(111) $\sqrt{7} \times \sqrt{3}$ -hex Surface**
S. Terakawa, S. Hatta, H. Okuyama and T. Aruga
Kyoto Univ., Japan

- PS-23Y **Surface Dirac Fermion Dynamics of Non-Magnetic and Magnetic Topological Insulators**
 K. Sumida¹, Y. Ishida², T. Yoshikawa¹, J. Chen¹, M. Nurmatam¹, K. Kokh³, O. Tereshchenko³, S. Shin², A. Kimura¹
¹Hiroshima Univ., Japan, ²ISSP, Univ. of Tokyo, Japan, ³Novosibirsk State Univ., Russia
- PS-24Y **Surface Sensitive CDAD by Resonant Auger Electron Diffraction on Magnetite**
 Y. Hashimoto¹, F. Matsui¹, M. Taguchi¹, H. Matsuda¹, S. Fukami¹, H. Momono¹, I. Tanaka¹, T. Okamoto¹, M. Yoneda¹, T. Matsushita² and H. Daimon¹
¹Nara Institute of Science and Technology, Japan, ²Japan Synchrotron Radiation Research Institute, Japan
- PS-25Y **First Principles Calculation of Unoccupied States of Monolayer Naphthalene on Graphene**
 S. A. Wella¹, N. Kawaguchi², H. Sawada¹, F. Muttaqien¹, K. Inagaki¹, I. Hamada³, Y. Morikawa¹ and Y. Hamamoto¹
¹Dept. of Precision Science and Technology, Osaka Univ., Japan, ²Dept. of Applied Chemistry, Osaka Univ., Japan, ³National Institute for Materials Science, Japan
- PS-26Y **Electronic State Analysis of Li-Compound Surfaces**
 R. Ihara, K. Mitsuhashi and M. Takizawa
 Ritsumeikan Univ., Japan
- PS-27Y **Direct Mapping of Spin and Orbital Entangled Wavefunction under Interband Spin-Orbit Coupling of Rashba Surface States**
 R. Noguchi¹, K. Kuroda¹, K. Yaji¹, K. Kobayashi², M. Sakano¹, A. Harasawa¹, T. Kondo¹, F. Komori¹ and S. Shin¹
¹ISSP, Univ. of Tokyo, Japan, ²Dept. of Phys., Ochanomizu Univ., Japan
- PS-28 **Electronic Structure and Electrical Conduction of Ultrathin Bi₂Te₃ Films**
 S. Hatta, K. Obayashi, H. Okuyama and T. Aruga
 Grad. Sch. Sci., Kyoto Univ., Japan
- PS-29 **Creation of Atomically Reconstructed Vertical Si Side-Surfaces**
 A. N. Hattori^{1,2}, K. Hattori³, S. Takemoto³, H. Daimon³ and H. Tanaka¹
¹ISIR, Osaka Univ., Japan, ²JST-PRESTO, Japan, ³NAIST, Japan
- PS-30Y **Dissimilar Surface Properties of Hemoglobin Combined with O₂ and CO**
 Ai Maehira¹, D.-C. Che¹, A. Shimouchi², M. Sawano³ and T. Matsumoto¹
¹Osaka Univ., Japan, ²Chubu Univ., Japan, ³Saitama Med. Univ., Japan
- PS-31Y **Observation of the Electronic States from Au/TiO₂ (320) Interface as a Function of the Azimuthal Angle and Polarization by Optical Second Harmonic Generation**
 H. MD Ehasanul¹, D. Kobayashi¹, Y. Tomatsu¹, K. T. T. Hien¹, G. Mizutani¹ and H. N. Rutt²
¹School of Materials Science, Japan Advanced Institute of Science and Technology, Japan, ²School of Electronics and Computer Science, Univ. of Southampton, UK
- PS-32 **Fabrication of Si-Nanowire/Carbon-Nanotube Composites for Lithium Ion Battery Anodes**
 N. Kameda, K. Wakabayashi and T. Ogino
 Yokohama National Univ., Japan
- PS-33Y **Atomically Resolved STM Imaging of ZnO Ultra-Thin Films on Ag(111) with Adsorbed Molecular Hydrogen**
 S. Liu¹, D. Baugh², A. Shiotari³, M. Wolf¹ and T. Kumagai¹
¹Dept. of Physical Chemistry, Fritz-Haber Institute of the Max-Planck Society, Germany, ²Dept. of Chemistry & Biochemistry, Univ. of California, USA, ³Dept. of Advanced Materials Science, Univ. of Tokyo, Japan

- PS-34Y **Recognition of Bacteria on Surface of a Cell-Imprinted Microsphere**
X. Shan, H. Shiigi and T. Nagaoka
Osaka Pref. Univ., Japan
- PS-35Y **Development of a Bioplatfrom for Observation of Bacterial Activity Using Bacteria-Doped Conducting Polymer Film**
T. Tamura, L. D. Quynh, S. Suekuni, H. Shiigi and T. Nagaoka
Osaka Pref. Univ., Japan
- PS-36Y **Enhanced Etching of Ge Surfaces in Water by Single Flakes of Graphene Catalysts**
K. Nakade, T. Hirano, S. Li, K. Kawai, M. Morita and K. Arima
Dept. of Precision Science and Technology, Osaka Univ., Japan
- PS-37 **Molecular Chain Orientation and Crystallinity in Ultrathin Biodegradable Polymer Films Revealed with Surface-Sensitive X-Ray Diffractions**
I. Takahashi¹, X. Sun² and K. R. Reddy³
¹*Kwansei Gakuin Univ., Japan*, ²*Beijing Univ. of Chemistry, China*, ³*SABIC Research & Technology Centre, India*
- PS-38Y **Electrolyte Solutions Structured on Mica Visualized by FM-AFM**
T. Ogura and H. Onishi
Kobe Univ., Japan
- PS-39Y **Surface Analysis of [EMI][TFSI] with Lithium Salt Using High-Resolution RBS and ERDA**
Y. Hashizume, K. Nakajima and K. Kimura
Kyoto Univ., Japan
- PS-40Y **Application of FM-AFM to In-Situ Analysis of Solid-Liquid Interface for Tribological Study**
K. Fujino¹, T. Hirayama^{1,2}, T. Matsuoka¹ and H. Onishi³
¹*Doshisha Univ., Japan*, ²*JST Presto, Japan*, ³*Kobe Univ., Japan*
- PS-41 **Surface Modification of Aluminum Alloy by Ti/N Graded Coatings with Reactive Sputtering Technique**
T. Sonoda and S. Nakao
National Institute of AIST (Chubu), Japan
- PS-42Y **Size and Isotope Effect on the Paraelectric Transition of Ferroelectric Crystalline Ice on Pt(111)**
N. Aiga, T. Sugimoto, K. Watanabe and Y. Matsumoto
Kyoto Univ., Japan
- PS-43Y **Vibrational Spectroscopic Evidence for (NO)₃ Formation on Cu(111)**
H. Koshida, H. Okuyama, S. Hatta and T. Aruga
Kyoto Univ., Japan
- PS-44Y **Studies on Interaction of Highly Charged Ions with Surface Using Kobe EBIS**
N. Nishida¹, K. Betsumiya¹, T. Tokui¹, K. Suzuki¹, M. Sakurai¹, T. Sakurai¹, S. Honda², M. Terasawa², D. Kato³, H.A.Sakaue³ and T. Ikeda⁴
¹*Kobe Univ., Japan*, ²*Univ. of Hyogo, Japan*, ³*National Institute for Fusion Science, Japan*, ⁴*RIKEN, Japan*
- PS-45 **Structural Analysis of Ni (111) Epitaxially Grown on Mica Substrate**
H. Tanaka and M. Taniguchi
Osaka Univ., Japan
- PS-46Y **Interface Effect on Homogeneous Crystallization of Nanoscale Amorphous-Ice Thin Films**
K. Harada, T. Sugimoto, K. Watanabe and Y. Matsumoto
Kyoto Univ., Japan
- PS-47Y **Amino-Modification of Amorphous Carbon Thin Films and their Electrochemical Properties**
F. Yanagi and Y. Aoi
Ryukoku Univ., Japan

- PS-48Y **Photothermal Marangoni Flows around a Microbubble Studied by Thermochemical VO₂ Thin Films**
T. Sono, K. Namura and M. Suzuki
Kyoto Univ., Japan
- PS-49Y **Hierarchical Structures Formed on SiO₂ Surfaces by Low- and High-Energy Ion Beams**
F. Fukui¹, F. Nishiyama² and K. Takahiro¹
¹*Kyoto Inst. of Technology, Japan*, ²*Hiroshima Univ., Japan*
- PS-50Y **Benzene Adsorption on Si(100) Revisited: Van der Waals Density Functional Study**
Y. Hamamoto¹, I. Hamada², K. Inagaki¹ and Y. Morikawa¹
¹*Osaka Univ. Japan*, ²*NIMS, Japan*
- PS-51Y **Shape Control of ZnO Particles by Using Various Capping Reagents**
S. Sano, M. Matsuoka and M. Takeuchi
Osaka Pref. Univ., Japan
- PS-52Y **Molecular Orientation of a C8-BTBT Thin Film Grown under an External Temperature Gradient**
H. Watanuki, K. Mitsuhara, M. Takizawa, N. Iizuka and I. Fujieda
Ritsumeikan Univ., Japan
- PS-53Y **Fabrication of Ionic Liquid Ultrathin Films and Their Interfacial Structure Analyses**
A. Takahashi¹, F. Chujo¹, I. Tanabe¹, A. Imanishi¹ and K. Fukui¹
Osaka Univ., Japan
- PS-54Y **Electrochemical FM-AFM Analysis of Local Structural Change of Ionic Liquid / Organic Semiconductor Interfaces**
K. Sakamoto¹, A. Imanishi¹, I. Tanabe¹, J. Takeya² and K. Fukui¹
¹*Graduate School of Engineering Science, Osaka Univ., Japan*, ²*Graduate School of Frontier Sciences, Univ. of Tokyo, Japan*
- PS-55Y **Strain of a β-FeSi₂(100) Nano-Carpet on a Si(001) Substrate Studied with in-Plane XRD Measurements**
S. Takemoto¹, H. Nakao¹, S. Nishida¹, H. Yang¹, M. Someta¹, K. Hattori¹, H. Daimon¹, A. N. Hattori² and H. Tanaka²
¹*Nara Inst. Sch. and Tech. (NAIST), Japan*, ²*Inst. Sci. Ind. Res. (ISIR) Osaka Univ., Japan*
- PS-56Y **Chemical State Analysis of SiC Surfaces Polished under Ultraviolet-Ray Excitation**
A. Hata, K. Mitsuhara, M. Takizawa and T. Tanaka
Ritsumeikan Univ., Japan
- PS-57 **Different Phases of Germanene Formed on Al(111)**
S. Endo, O. Kubo, N. Nakashima, R. Kuga, S. Iwaguma, H. Tabata and M. Katayama
Osaka Univ., Japan
- PS-58Y **Van der Waals Interaction between a Graphene Sheet and Silicon Dioxide Substrate Using Pairwise Summation of the Lennard-Jones Potential**
S. Iwasaki and N. Inui
Univ. of Hyogo, Japan
- PS-59Y **Applications of Raspberry-Shaped Organic/Inorganic Nanocomposite to Bacterial Sensing**
D. Q. Nguyen, T. Kinoshita, H. Shiigi and T. Nagaoka
Osaka Pref. Univ., Japan

- PS-60Y **Size Dependence of Resistance Switching Efficiency in Freestanding VO₂/TiO₂ Nanowires**
Y. Higuchi¹, T. Kanki¹, L. Pellegrino², N. Manca^{2,4}, D. Marré^{2,3} and H. Tanaka¹
¹ISIR, Osaka Univ., Japan, ²CNR-SPIN, Italy, ³Physics Dept., Univ. of Genova, Italy, ⁴Dept. of Quantum Nanoscience, Delft Univ. of Technology, The Netherlands
- PS-61Y **Specific Bacterial Detection Using O-Antigen-Imprinted Nanocomposite as an Artificial Antibody**
T. Kinoshita, Q. D. Nguyen, H. Shiigi and T. Nagaoka
Osaka Pref. Univ., Japan
- PS-62 **Temperature Dependence of the Fracture of Single Atom Contacts of Metals**
Y. Bessho, S. Kurokawa and A. Sakai
Kyoto Univ., Japan
- PS-63Y **Preparation of Periodically-Ordered Three-Dimensional Superlattice of CdTe Quantum Dots and their Optical Properties**
T. Watanabe and D. Kim
Osaka City Univ., Japan
- PS-64Y **High-Resolution Patterning of Graphene Oxide on Si Substrate by Vacuum-Ultraviolet Photoreduction**
Y. Tu, T. Utsunomiya, T. Ichii and H. Sugimura
Kyoto Univ., Japan
- PS-65 **Non-Linear I-V Characteristics of Ru Complex Layers with a Double Junction Nanogap Electrode**
S. Nishijima, Y. Otsuka and T. Matsumoto
Osaka Univ., Japan
- PS-66Y **Heteroatom-Doping to Graphene Oxide through the Photo-Irradiation Techniques**
T. Utsunomiya, M. Soga, Y. Tu, T. Ichii and H. Sugimura
Kyoto Univ., Japan
- PS-67Y **Structure of Junctions of Multi-Walled Carbon Nanotubes with Rectangular Cross-Section and Flattened Nanotubes**
Y. Nagano and H. Kohno
Kochi Univ. of Technol., Japan
- PS-68Y **Periodically Diameter-Modulated Cup-Stacked Carbon Nanotubes: Synthesis, Structure, and Properties**
T. Hayashi and H. Kohno
Kochi Univ. of Technol., Japan
- PS-69Y **Bilayer Formation by Water- and Lipid-Soluble Nanocomposites**
Y-S. Lee and D. Kim
Osaka City Univ., Japan
- PS-70Y **The Gating Effects in the Electric Double Layer Transistor with SmNiO₃ Film Channel**
D. Kawamoto¹, A. N. Hattori^{1,2}, M. Yamamoto¹ and H. Tanaka¹
¹ISTR, Osaka Univ., Japan, ²JST-PREST, Japan
- PS-71Y **Fabrication of the Three Dimensionally Nanopatterned TiO₂ Substrates with Vertical Flat Side-Surfaces**
T. Yokogawa¹, A. N. Hattori^{1,2} and H. Tanaka¹
¹ISTR, Osaka Univ., Japan, ²JST-PREST, Japan
- PS-72Y **Mechanism of Metal Nanoparticle Formation by Dissimilatory Metal Reducing Bacteria**
K. Okada, K. Ishiki, H. Shiigi and T. Nagaoka
Osaka Pref. Univ., Japan

- PS-73 **Molecular Dynamics Study of Electron-Irradiation Effects in Graphene on Substrates**
S. Kida¹, M. Yamamoto¹, K. Tada², H. Kawata¹, Y. Hirai¹ and M. Yasuda¹
¹Osaka Pref. Univ., Japan, ²NIT, Toyama College, Japan
- PS-74 **Enhancement of Carrier Mobility through Deformation Potential in Metal-Containing Insulated Molecular Wires**
T. Ohto¹, H. Masai², J. Terao², W. Matsuda², S. Shu², Y. Tsuji² and H. Tada¹
¹Osaka Univ., Japan, ²Kyoto Univ., Japan
- PS-75Y **Electric Properties of Multi-Channel Molecular Devices by Self-Doped Polyaniline**
Y. Usami¹, Y. Otsuka¹, Y. Naitoh² and T. Matsumoto¹
¹Osaka Univ., Japan, ²AIST, Japan
- PS-76Y **XPS and STM Studies of Graphene Formation on the SiC(111) Surface by Ion-Beam Irradiation**
T. Yamasaki¹, J. Ishii^{1,2}, Y. Miyawaki¹, Y. Motokawa¹, T. Ikari³ and M. Naitoh¹
¹Kyushu Institute of Technology, Japan, ²Kitakyushu College, National Institute of Technology, Japan, ³Ube College, National Institute of Technology, Japan
- PS-77 **A Study of Surface Modification Effect in the Growth of Carbon Nanotubes by SiC Surface Decomposition Method**
T. Kambara¹, T. Oyama¹, M. Naitoh¹ and T. Ikari²
¹Kyushu Institute of Technology, Japan, ²Ube College, National Institute of Technology, Japan
- PS-78Y **Photothermally Induced Marangoni Flows around a Water Vapor Microbubble on Gold Nanoisland Films**
K. Namura, K. Nakajima and M. Suzuki
Kyoto Univ., Japan
- PS-79Y **Enhancing Graphene Thermoelectric Performance through Defect Engineering**
Y. Anno^{1,2}, Y. Imakita¹, M. Takeuchi¹, M. Matsuoka¹, K. Takei¹, S. Akita¹ and T. Arie¹
¹Osaka Pref. Univ., Japan, ²JSPS Research Fellow
- PS-80Y **Heat Transport Control in Graphene Nanomesh**
T. Sekiguchi, Y. Yasui, Y. Anno, K. Takei, S. Akita and T. Arie
Osaka Pref. Univ., Japan
- PS-81 **Hydrogen-Bonded Two-Dimensional Molecular Networks from Solutions**
Y. Nakata¹, A. Okada¹, M. Yoshimura² and K. Kadono¹
¹Kyoto Inst. Tech., Japan, ²Toyota Tech. Inst., Japan
- PS-82Y **Synthesis of Nanodiamonds in Sheath of the dc-Methane/Hydrogen Plasma**
T. Kobayashi¹, K. Uchida¹, Y. Nawata¹, M. Naitoh¹, T. Ikari², T. Nagai³, F. Shoji³
¹Kyushu Inst. Tech., Japan, ²Nat. Inst. Tech. Ube College., Japan, ³KKU Res. Inst., Japan
- PS-83Y **Structural Changes on Neutron-Irradiated Highly Oriented Pyrolytic Graphite under Static High Pressure and Temperature**
T. Hisakuni¹, S. Suzuki¹, S. Honda¹, M. Niibe¹, M. Terasawa¹, Y. Higo², K. Niwase³, H. Izumi⁴, E. Taguchi⁵ and T. Iwata⁶
¹Univ. of Hyogo, Japan, ²Japan Synchrotron Radiation Research Institute, Japan, ³Hyogo Univ. of Teacher Education, Japan, ⁴Hyogo Prefectural Institute of Technology, Japan, ⁵Osaka Univ., Japan, ⁶Japan Atomic Energy Research Institute, Japan

- PS-84Y **Irradiation Effect in Multi-Walled Carbon Nanotubes by Highly Charged Ions**
M. Kato¹, Y. Fujiwara¹, S. Honda¹, M. Terasawa¹, M. Niibe¹, M. Sakurai², N. Nishida², T. Tokui², K. Suzuki², K. Betsumiya², K. Niwase³, and K. -Y. Lee⁴
¹Univ. of Hyogo, Japan, ²Kobe Univ., Japan, ³Hyogo Univ. of Teacher Education, Japan, ⁴National Taiwan Univ. of Science and Technology, Taiwan
- PS-85 **Electronic Structures of a Cerasome Surface Model**
M. Oda
Wakayama Univ., Japan
- PS-86Y **Strained Graphene Devices for Phonon Engineering**
Y. Imakita, Y. Anno, H. Kawata, K. Takei, S. Akita and T. Arie
Osaka Pref. Univ., Japan
- PS-87Y **Layer-by-Layer Synthesis of Graphene Heterostructures Using Carbon Isotopes**
K. Okuyama, Y. Anno, Y. Mochizuki, K. Takei, S. Akita and T. Arie,
Osaka Pref. Univ., Japan
- PS-88Y **Fabrication of Spherical Colloidal Crystals Using Emulsion Droplets**
M. Innami and Y. Aoi
Ryukoku Univ., Japan
- PS-89Y **Polymer Based Neural Networks Hardware**
W. Hikita¹, M. Akai-Kasaya^{1,2}, T. Asai³ and Y. Kuwahara¹
¹Osaka Univ., Japan, ²JST PRESTO, Japan, ³Hokkaido Univ., Japan
- PS-90 **Transformation from Neutron-Irradiated Graphite to Amorphous Diamond by Shock-Compression**
K. Niwase¹, K.G. Nakamura² and T. Iwata³
¹Hyogo Univ. of Teacher Edu., Japan, ²Tokyo Tech., Japan, ³JAERI, Japan
- PS-91Y **Current-Voltage Characteristics of Au/Metal Complex/Au Single-Molecule Junctions**
K. Minode, S. Nobusue, R. Yamada and H. Tada
Osaka Univ., Japan
- PS-92 **Development of Measurement Technique Combining 3DAP and STM**
Y. Yamaguchi, S. Kurokawa, A. Sakai
Kyoto Univ., Japan
- PS-93Y **Fluorescence Enhancement of Dye by Ag Nanoparticle Fixed Microplate**
T. Yamauchi, T. Kinoshita, H. Shiigi and T. Nagaoka
Osaka Pref. Univ., Japan
- PS-94 **Surface Chemistry Experimental Station at Soft X-ray Beamline (BL23SU) in SPring-8**
A. Yoshigoe
Japan Atomic Energy Agency, Japan
- PS-95Y **Ultrafast Snapshots of a Columnar Liquid Crystal Forming a Twisted Structure at Local Photoexcited Sites**
M. Hada^{1,2}, S. Saito^{2,3}, S. Tanaka⁴, R. Sato⁵, M. Yoshimura⁶, K. Mouri⁶, K. Matsuo⁶, S. Yamaguchi⁶, M. Hara⁶, Y. Hayashi¹, Y. Shigeta⁵, K. Onda^{2,4} and R. J. Dwayne Miller^{7,8}
¹Okayama Univ., Japan, ²JST-PRESTO, Japan, ³Kyoto Univ., Japan, ⁴Tokyo Tech., Japan, ⁵Tsukuba Univ., Japan, ⁶Nagoya Univ., Japan, ⁷Max Planck Inst., Germany, ⁸Univ. of Toronto, Canada
- PS-96Y **Simulation of Fogging Electron Trajectories in a Scanning Electron Microscope**
T. Nishino and M. Kotera
Osaka Inst. Technol., Japan

- PS-97Y **Time-Resolved Charge Mapping for Organic Solar Cell by Electrostatic Force Microscope**
K. Araki¹, Y. Ie², Y. Aso², H. Oyama¹ and T. Matsumoto¹
¹Osaka Univ., Japan, ²ISIR Osaka Univ., Japan
- PS-98Y **Patterning of Nanomaterials with Charged Nanovolume Solution**
R. Etou¹, Y. Otsuka¹, F. Iwata² and T. Matsumoto¹
¹Osaka Univ., Japan, ²Shizuoka Univ., Japan
- PS-99Y **Far- and Deep-Ultraviolet Spectroscopy of Ionic Liquids under Electrochemical Environments**
I. Tanabe, A. Suyama and K. Fukui
Osaka Univ., Japan
- PS-100Y **Carbon Overlayer on 4H-SiC Surfaces by Plasma Oxidation at near Room Temperature Followed by Wet Etching**
K. Hosoo, R. Ito, K. Kawai, Y. Sano, M. Morita and K. Arima
Dept. of Precision Science and Technology, Osaka Univ., Japan
- PS-101 **Surface Structural Analysis of Rock Salt Structure Using Low Energy Atom Scattering Spectroscopy**
K. Umezawa
Osaka Pref. Univ., Japan
- PS-102 **Development of Combination of Temperature-Programmed Reaction and X-ray Absorption Fine Structure (TPR-XAFS) for Surface Chemistry**
D. Matsumura¹, T. Tsuji¹, Y. Okajima² and Y. Nishihata¹
¹Japan Atomic Energy Agency, Japan, ²SPring-8 Service Co., Ltd., Japan
- PS-103 **Covalent-Bonded Low-Dimensional Molecular Networks on Au(111) Prepared by Solution Method**
A. Okada¹, U. Toyota¹, K. Minou¹, M. Yoshimura² and K. Kadono¹
¹Kyoto Inst. Tech., Japan, ²Toyota Tech. Inst., Japan
- PS-104 **Measuring Size Distribution of Large Ar Cluster Using Two Rotating Electric Fields Type Mass Spectrometer**
Y. Higashihara¹, M. Nojima², M. Hotta³, S. Kurumi⁴, K. Suzuki⁴, T. Adachi⁵, T. Kusanagi⁵ and K. Moritani¹
¹Univ. of Hyogo, Japan, ²Tokyo Univ. of Science, Japan, ³Office TANDEM, Japan, ⁴Nihon Univ., Japan, ⁵Ampere Inc. Japan
- PS-105Y **Measurement of Fogging Electron Current at the Objective Lens and the Specimen Surface in SEM**
Y. Hagiwara^{1,2}, T. Noda^{1,2}, M. Kotera¹ and R. Gauvin²
¹Osaka Institute of Technology, Japan, ²McGill Univ., Canada
- PS-106Y **Hyperthermal Multiple Component Molecular/Atomic Beams: Formation and Application to Surface Science on Future Space Explorations**
T. Yasukochi, K. Morimoto, K. Yokota and M. Tagawa
Kobe Univ., Japan
- PS-107Y **Formation of H₂O on Pt (110) and Pt_{ML}/Ag (110)**
Y. Masahiro¹, K. Matsutani¹, T. Kaieda¹, M. Nishizaki¹, B. Chantaramolee², P. H. Lim², R. Kishida², S. Kunikata² and W. A. Diño^{2,3}
¹Tanaka Kikinzoku Kogyo K.K., Japan, ²Dept. of Appl. Phys., Osaka Univ., Japan, ³Center for Atomic and Molecular Technologies, Osaka Univ., Japan
- PS-108Y **Improvement of Photoelectric Conversion of Solar Cells Using ZnS-AgInS₂ Nanoparticles with Anion Ligands**
Y. Yagi¹, S. Pathan², R. Oda², K. Hachiya¹ and T. Sagawa¹
¹Kyoto Univ., Japan, ²Univ. of Bordeaux, France
- PS-109Y **Effects of Halogens on Interactions between a Reduced TiO₂ (110) Surface and Noble Metal Atoms: A DFT Study**
K. Tada¹, H. Koga², A. Hayashi³, Y. Kondo³, S. Tanaka¹ and M. Okumura^{2,3}
¹AIST, Japan, ²ESICB, Kyoto Univ., Japan, ³Osaka Univ., Japan

- PS-110 **Evaluation of C₆₀ Thin Film as Selective Absorbent for Cesium Isotope Separation using X-ray Photoelectron Spectroscopy**
T. Sekiguchi¹, K. Yokoyama¹, Y. Uozumi², H. Asaoka², M. Yano² and T. Yaita¹
¹JAEA MSRC, Japan, ²JAEA ASRC, Japan
- PS-111Y **Friction Behavior of Two Fully Hydrogenated DLC Films Using Molecular Dynamics Simulation**
H. Akiyama and H. Washizu
Univ. of Hyogo, Japan
- PS-112Y **Molecular Dynamics Study of Solvent Effects on the Absorbing Process of Organic Additives**
M. Konishi and H. Washizu
Univ. of Hyogo, Japan
- PS-113 **XANES Analysis of Boron-Doped Graphite by the First Principle Calculations**
S. Hamanaka and Y. Muramatsu
Univ. of Hyogo, Japan

Time Table

Jan 24 (Tue)	
9:30-	Registration
	[Event Hall]
10:30-10:40	Opening
10:40-11:30	24P-1 Prof. Koshikawa
11:30-12:20	24P-2 Prof. Dalmon
Lunch Break	
	[Event Hall] [Room A]
	Session 6 Session 5
13:40-14:10	24S6-I1 Dr. Bharali 24S5-I1 Prof. Matsuda
14:10-14:25	24S6-O1Y Dr. Tan 24S5-O1Y Dr. Wen
14:25-14:40	24S6-O2 Dr. Washizu 24S5-O2 Dr. Ohkochi
(Coffee Break)	
15:00-15:30	24S6-I2 Dr. Sakaebe 24S5-I2 Dr. Okamoto
15:30-15:45	24S6-O3 Dr. Minato 24S5-O3 Prof. Matsuo
15:45-16:00	24S6-O4 Dr. Kato 24S5-O4 Dr. Li
16:10-17:30	Poster (Room B, C)
17:50-20:00	Banquet (Special Conference Room)

Jan 25 (Wed)		
9:15-10:35	Poster (Room B, C)	
(Coffee Break)		
	[Event Hall]	[Room A]
	Session 3	Session 2
10:50-11:20	25S3-I1 Prof. Kim	25S2-I1 Prof. Höfer
11:20-11:50	25S3-I2 Prof. Li	25S2-I2 Prof. Okuda
Lunch Break		
13:00-13:30	25S3-I3 Prof. Hotta	25S2-I3 Prof. Tautz
13:30-13:45	25S3-O1Y Dr. Soliman	25S2-O1Y Dr. Yoshikawa
13:45-14:00	25S3-O2 Dr. Sasahara	25S2-O2Y Dr. Sawada
14:00-14:15	25S3-O3 Dr. Hossain	25S2-O3 Dr. Yamada
(Coffee Break)		
	[Event Hall]	[Room A]
	Session 4	Session 1
14:30-15:00	25S4-I1 Dr. Khatri	25S1-I1 Prof. Jiang
15:00-15:30	25S4-I2 Prof. Sugiyama	25S1-I2 Dr. Kumagai
15:30-15:45	25S4-O1Y Dr. Kiriya	25S1-O1Y Dr. Takeyasu
15:45-16:15	25S4-I3 Dr. Chen	25S1-I3 Dr. Sugimoto
16:15-16:30	25S4-O2Y Dr. Song	25S1-O2 Dr. Imanishi
16:30-16:45	25S4-O3 Prof. Yamada	25S1-O3Y Dr. Hattori
16:50-17:10	Closing (Event Hall)	

Event Hall (1F)
Room A (1F)
Room B & C (3F)
Special Conference Room (2F)

for plenary talks and oral presentations
 for oral presentations
 for poster presentations
 for Banquet of SSSN-Kansai

Symposium Site

The symposium is held at Kyoto International Community House (KOKOKA).

Event Hall (1F) for plenary talks and oral presentations

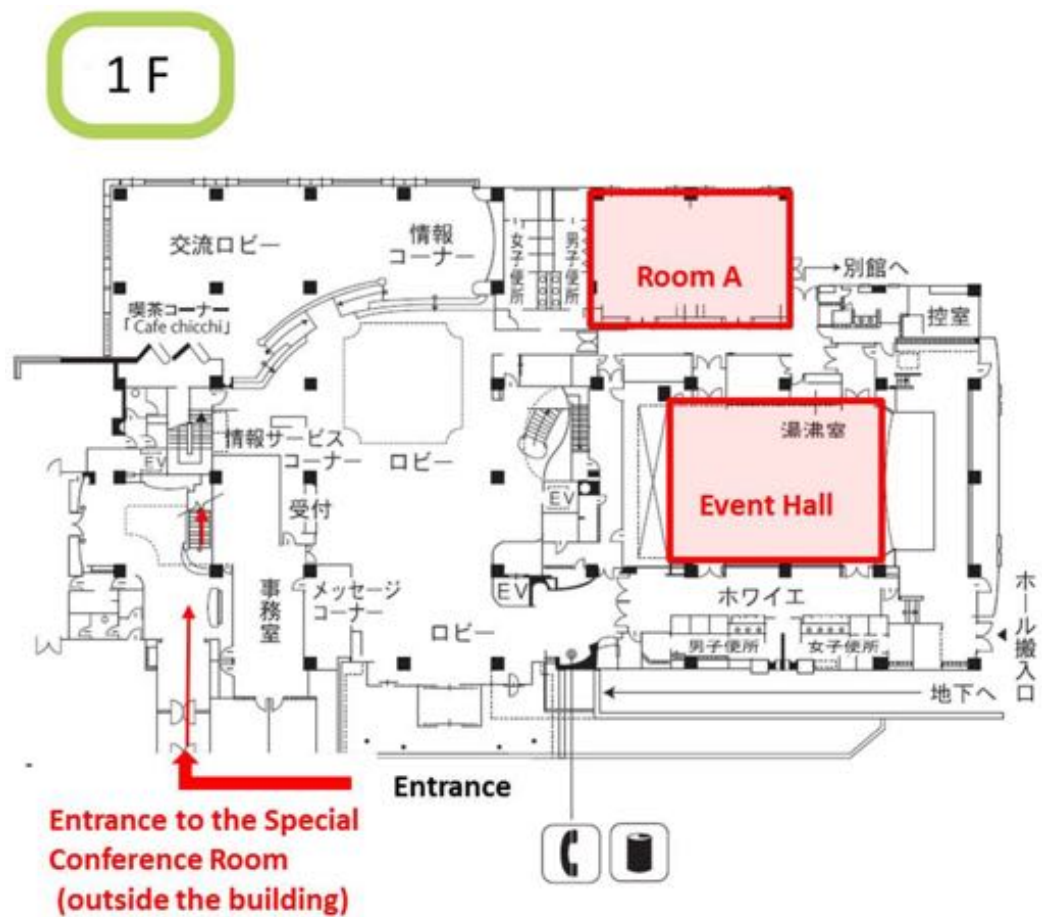
Room A (1F) for oral presentations

Room B & C (3F) for poster presentations

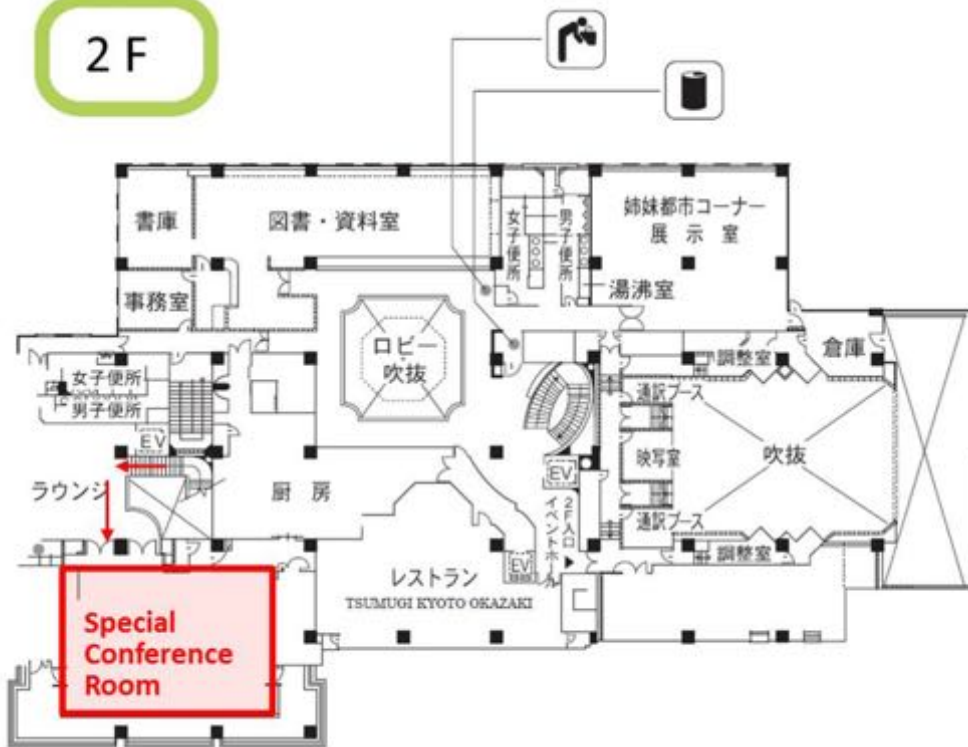
Special Conference Room (2F) for Banquet of SSSN-Kansai

17:50 – 20:00 on January 24 (Tue)

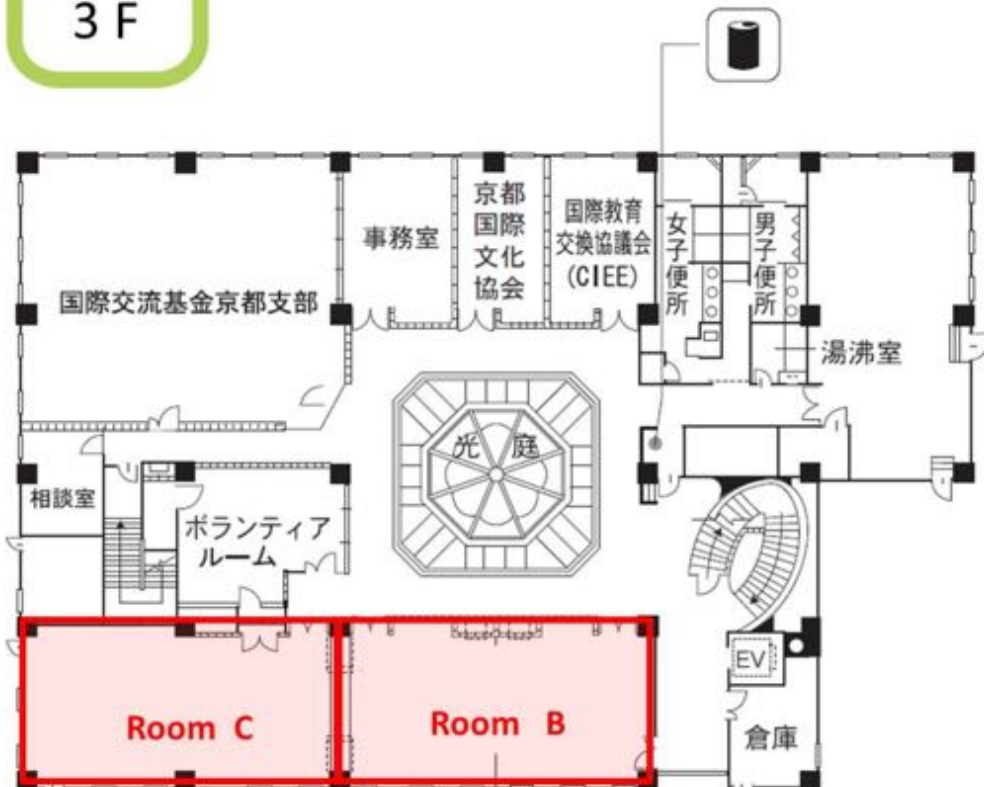
All participants including accompanying persons are invited to the Banquet.



2F

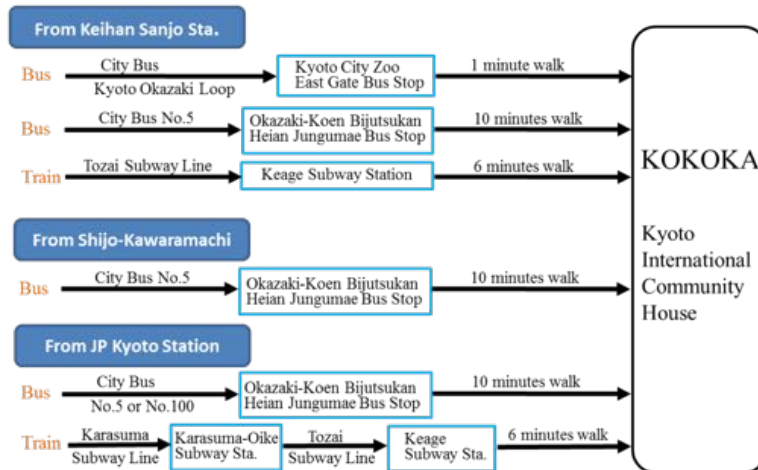


3F





Persons coming by Bus and/or Train



Instructions for Presentations

<Oral Presentations>

The duration for a contributed paper is 15min. for discussion. Invited presentation consists of 25 min. talk and 5min discussion. Plenary talk consists of 40 min. talk and 10 min. discussion. All the session rooms will be equipped with an LCD projector. A laser pointer and a handheld microphone are provided. The proper connection between the computer and the projector should be checked by the presenter before the session starts.

<Poster Presentations>

A poster board of 90cm wide and 210cm high with identifying label is provided for each presentation, together with pins or adhesive tapes. Authors mount posters during the lunch break on January 24, and remove it at the end of the Poster session on January 25.

Core time

Speakers with an odd program number	January 24, from 16:10 PM to 17:30 PM
Speakers with an even program number	January 25, from 9:15 AM to 10:35 AM

< Young Researcher Award>

Young Researcher Awards recognize the outstanding presentations by young researchers. Program numbers with 'Y' indicate SSSN-KANSAI Young Researcher Award candidates. The Award winners will be commended in public with certificates in the closing session on January 25.