### Symposium Program

#### January 19 (Wednesday)

- **(17:00–18:30)** Registration
- **(18:30–20:00)** Opening & Welcome Dinner
- **Opening Remarks:** Hiroshi DAIMON

**Session A (20:00–21:00)** Chair: Wolf-Dieter SCHNEIDER

<table>
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<tr>
<th>A-1</th>
<th>(20:00–20:30)</th>
<th>Tomihiro HASHIZUME (Tokyo Inst. Tech., Hitachi, Ltd., Tohoku Univ.)</th>
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<tbody>
<tr>
<td></td>
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<td>“Kelvin Probe Force Microscopy of Interfaces in Pentacene TFTs”</td>
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<tr>
<th>A-2</th>
<th>(20:30–21:00)</th>
<th>Hiroshi DAIMON (Nara Institute of Science and Technology)</th>
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<tr>
<td></td>
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<td>“Local atomic and electronic structure of graphene</td>
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<td>studied by photoelectron diffraction spectroscopy”</td>
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#### January 20 (Thursday)

**Session B (8:00–9:30), Chair: Toru HIRAHARA**

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<th>B-1</th>
<th>(8:00–8:30)</th>
<th>Mike ALTMAN (Hong Kong University of Science and Technology)</th>
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<td>“Wetting Layers in Nanostructure Formation at Surfaces”</td>
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<th>B-2</th>
<th>(8:30–9:00)</th>
<th>Chuhei OSHIMA (Waseda University)</th>
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<td></td>
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<td>“In-situ Observation of Graphene Growth due to Carbon Segregation by LEEM”</td>
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<th>B-3</th>
<th>(9:00–9:30)</th>
<th>Akira ISHII (Tottori University, JST-CREST)</th>
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<tr>
<td></td>
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<td>“Density functional calculation for adatom adsorption on graphene”</td>
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**Free Discussion and Lunch**

#### January 21 (Thursday)

- **(9:30–15:00)** Free Discussion and Lunch

**Session C (15:00–16:30), Chair: Peter VARGA**

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<tr>
<th>C-1</th>
<th>(15:00–15:30)</th>
<th>Ernst BAUER (Arizona State University)</th>
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<td></td>
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<td>“Iron oxide layers on Pt(111)”</td>
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<tr>
<th>C-2</th>
<th>(15:30–16:00)</th>
<th>Teruo ONO (Kyoto University)</th>
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“Current-induced domain wall motion and its device application”

C-3 (16:00-16:30)

Takanori KOSHIKAWA (Osaka Electro-Communication University)
“Dynamic magnetic domain observation of [Co/Ni_x] multi-layer on W(110) with very high brightness and highly spin-polarized SPLEEM”

(16:30–16:50) Break

Session D (16:50–18:50), Chair: Teruo ONO

D-1 (16:50-17:20)

Thomas GREBER (Universität Zürich)
“Resonant photoelectron diffraction (RXPD) for the determination of magnetic and atomic structure”

D-2 (17:20-17:50)

Tadahiro KOMEDA (Tohoku University)
“Manipulation of spin 1/2 Kondo state in double decker phthalocyanine molecule”

D-3 (17:50-18:20)

Toru HIRAHARA (University of Tokyo)
“Ultrathin films of topological insulators”

D-4 (18:20-18:50)

Daichi CHIBA (Kyoto University, PREST-JST)
“Coercivity modulation by electric field in Co/Pt ultra-thin film”

(18:50–20:20) Dinner

Session E (20:20–21:50), Chair: Wolf WIDDRA

E-1 (20:20-20:50)

Ignatius S. T. TSONG (Arizona State University)
“In_xGa_{1-x}N multiple quantum well light-emitting diodes grown on Si(111) substrates”

E-2 (20:50-21:20)

Masamichi YOSHIMURA (Toyota Technological Institute)
“Hydrogen Termination of Si(110) in UHV”

E-3 (21:20-21:50)

Yuki FUKAYA (Japan Atomic Energy Agency)
“Charge transfer and structure of alkali metals on Si(111)-\(\sqrt{3\times\sqrt{3}}\)B surface studied by reflection high-energy positron diffraction”
January 21 (Friday)

Session F (8:00-10:00), Chair: Tadahiro KOMEDA

F-1 (8:00-8:30)
Wolf Dieter SCHNEIDER (Ecole Polytechnique Fédérale de Lausanne)
“Quantum oscillations, superconductivity, zero-bias anomalies, and Coulomb blockade in supported nanoscale lead islands”

F-2 (8:30-9:00)
Yukio HASEGAWA (University of Tokyo)
“Excitation of vortices in nano-size superconductors studied by low-temperature STM/S”

F-3 (9:00-9:30)
Takashi UCHIHASHI (National Institute for Materials Science)
“Determination of Reflection Amplitude at Stacking-fault-induced Fractional Steps on Ag(111) Surfaces”

F-4 (9:30-10:00)
Kazuyuki SAKAMOTO (Chiba University)
“High-resolution photoemission study on organic thin films”

(10:00–15:00) Free Discussion and Lunch

Session G (15:00-16:30), Chair: Ignatius S. T. TSONG

G-1 (15:00-15:30)
Wolf WIDDRA (Martin-Luther-Universität Halle-Wittenberg)
“Growth, atomic structure and ferroelectric properties of ferroelectric surfaces: A STM, LEED, and PEEM Study”

G-2 (15:30-16:00)
Antoine FLEURENCE (Japan Advanced Institute of Science and Technology)
“Experimental evidence for silicene on ZrB_2(0001)”

G-3 (16:00-16:30)
Geoff THORNTON (University College London)
“Imaging and spectroscopy of wet electron states on TiO_2”

(16:30–16:50) Break

Session H (16:50-18:50), Chair: Thomas GREBER

H-1 (16:50-17:20)
Hiroko ARIGA (Hokkaido University)
“Surface structure and electronic state of Ni₂P(0001) and (101b0) surfaces”

H-2 (17:20-17:50)
Peter VARGA (Vienna University of Technology)
“High Island Densities in Pulsed Laser Deposition: Causes and Implications”
H-3 (17:50-18:20)  
Kazuto YAMAUCHI (Osaka University)  
“Hard x-ray sub-10nm focusing using adaptive optical system”

H-4 (18:20-18:50)  
Iwao MATSUDA (University of Tokyo)  
“Soft X-ray photoemission band mapping with the time-of-flight photoelectron analyzer system”

(18:50–20:20) Dinner

Session I (20:20-21:50), Chair: Chuhei OSHIMA

I-1 (20:20-20:50)  
Yuji KUWAHARA (Osaka University)  
“Plasmon enhanced fluorescence from organic molecular nanosystems”

I-2 (20:50-21:20)  
Kazushi MIKI (National Institute for Materials Science)  
“Chemical coating of large-area Au nanoparticle two-dimensional arrays as plasmon-resonant optics”

I-3 (21:20-21:50)  
Retsu OIWA (Omicron NanoTechnology Japan, Inc.)  
“A New Low Temperature 4-Tip STM with Gemini UHV-SEM Navigation”

Closing Remarks

January 22 (Saturday)

(10:00) Checkout & Departure