

## Program

### Day 1: Tuesday, July 8

9:00–9:45 Reception

9:45–9:55 Opening

#### Session 1 (9:55–11:55)

9:55–10:25 Chun-Liang Lin, "Defect Engineering and Methanol Decomposition on PtTe<sub>2</sub> and PdTe<sub>2</sub>"

10:25–10:55 Mitsuhiro Okada, "Chemical Vapor Deposition Synthesis of Group VI Transition Metal Dichalcogenides: Implications for Device and Efficient Hydrogen Evolution Reaction Catalyst Applications"

10:55–11:25 Naoya Kawakami, "Unique dewetting growth of silicene on Ag(111)"

11:25–11:55 Shigeki Kawai, "On-Surface Synthesis of Carbon Nanostructure with Heavy Group 14 Elements"

#### Session 2 (13:15–15:05)

13:15–13:45 Hiroki Hibino, "Phase evolution and vibrational properties of germanene formed by Ge segregation on Ag(111)/Ge(111)"

13:45–14:05 Seiya Suzuki, "Investigation into the hydrogenation of germanene on Ag(111)/Ge(111)"

14:05–14:35 Junji Yuhara, "Phase transition of germanene prepared by atomic segregation epitaxy at Ag(111) thin films on Ge(111)"

14:35–15:05 Daiki Katsube, "Scanning tunneling microscopy observation of segregated germanene on Ag(111) thin film"

#### Plenary 1 and Session 3 (15:25-17:30)

15:25–16:10 Kimitoshi Kono, "Hydrogen atoms meet electrons on the surface of superfluid 4He"

16:10–16:40 Fumio Komori, "One-dimensional electronic state induced by lattice-strain in copper nitride monolayer"

16:40–17:00 Satoshi Yasuda, "Understanding the Isotope Selectivity of Graphene for Hydrogen Separation"

17:00–17:20 Tomoo Terasawa, "Direct Measurement of Hydrogen Ion Permeability of Graphene using Ultra-slow Ion Beam"

17:20–17:30 Closing Day 1

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### Day 2: Wednesday, July 9

9:00–9:35 Reception

9:35–9:40 Office Announcement

## Plenary 2 and Session 4 (9:40–11:45)

**9:40–10:25 Shinji Kubo**, “Development of JAEA's Next-Generation Innovative Reactors and High Temperature Gas-cooled Reactor Hydrogen Production System”

**10:25–10:45 Wataru Higemoto**, “Ultra-slow muon: New probe for research of surface and interface”

**10:45–11:15 Muhammad Irfandi**, “Surface Structure Modification of Ag(111)-Bi by Atomic Hydrogen Adsorption”

**11:15–11:45 Satoru Ichinokura**, “Superconductivity and Size effect in Graphene Intercalation Compounds”

## Plenary 3 (13:10–13:55)

**13:10–13:55 Mon-Shu Ho**, “C84 Fullerenes on Si(111): Toward Multiferroic Memory Devices”

## Poster session and Lab-tour (13:55–15:45)

**13:55–14:05 Office Announcement**

**14:05–14:55 Poster 1 / Lab-tour 1**

**14:55–15:45 Lab-tour 2 / Poster 2**

## Session 5 (16:00–17:30)

**16:00–16:30 Yasutaka Tsuda**, “Contribution of minority carrier recombination and adsorbed oxygen species at SiO<sub>2</sub>/Si interfaces in Si dry oxidation”

**16:30–16:50 Hirokazu Ueta**, “Spin Effect in Surface Reactions by Atomic Hydrogen”

**16:50–17:10 Koichiro Yamakawa**, “Nuclear spin conversion and photolysis of CH<sub>3</sub>I trapped in solid para H<sub>2</sub>”

**17:10–17:30 Closing Day 2 & Photo**

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## Day 3: Thursday, July 10

**9:00–9:35 Reception**

**9:35–9:40 Office Announcement**

## Session 6 (9:40–12:00)

**9:40–10:10 Wataru Norimatsu**, “Step unbunching phenomenon of SiC surface during hydrogen etching process”

**10:10–10:40 Ryotaro Sakakibara**, “Graphene/SiC as a Platform for the Synthesis and Application of 2D Materials”

**10:40–11:10 Iwao Matsuda**, “Topological design and fabrication of novel atomic sheets toward the real-world application”

**11:10–11:40 Yuki Fukaya**, “Structure analysis of 2D materials by positron diffraction”

**11:40–12:00 Closing**