

PROGRAM

Opening Address

9:30 **Tomoyuki KAKESHITA** (Osaka University)

Oral Presentations

9:45-10:25 **Yoshio BANDO** (MANA/NIMS)
“Novel synthesis and properties of inorganic semiconducting nanostructures”

10:30-11:10 **Tomoyuki KAKESHITA** (Osaka University)
“Some Peculiar Phenomena of Martensitic Transformations”

11:15-11:55 **Yoshio SAKKA** (MANA/NIMS)
“Fabrication of textured ceramics and their some properties”

12:00-13:00 Lunch

13:00-13:40 **Yasufumi FUJIWARA** (Osaka University)
“Development of New-Type Light-Emitting Diodes
with Rare-Earth Doped Semiconductors”

13:45-14:25 **Kohei UOSAKI** (MANA/NIMS)
“In Situ Real Time Investigation on the Structure at Electrode/electrolyte
Interfaces by Surface X-ray Scattering”

Break

14:40-15:20 **Shinji FUJIMOTO** (Osaka University)
“Passivity Breakdown and Repassivation of Metals and Alloys Induced by Straining”

15:25-16:05 **Kazuhito TSUKAGOSHI** (MANA/NIMS)
“Gate-induced band gap in bilayer graphene”

16:10-16:50 **Hidehiro YASUDA** (Osaka University)
“Structural transitions by atomic species-selective manipulation in GaSb nanoparticles”

Poster Presentations (F2-201, Yamamoto Memorial Hall)

17:00-18:00

1. Satoshi MORIYAMA (MANA/NIMS)

“Fabrication of quantum dots and nanostructures in graphene”

2. Yu SHIRATSUCHI (Osaka University)

“Perpendicular exchange bias for magneto-electric application”

3. Jesse WILLIAMS (MANA/NIMS)

“Photoelectron diffraction study on polar ZnO surface”

4. Tomoyuki TERAJ (Osaka University)

“Neutron and synchrotron diffraction study on magnetic structure in layered perovskites”

5. Tatsuo SHIBATA (MANA/NIMS)

“Design and control of crystallographic orientation of oxide thin films by one-nanometer-thick nanosheet seed layer”

6. Yoshikazu TERAJ (Osaka University)

“Modulation spectroscopy of semiconducting silicides”

7. Fatin HAJJAJ (MANA/NIMS)

“Smart Magnetic Materials with non-Volatile Memory Effect”

8. Hikaru NOMURA (Osaka University)

“Logical operation of arrayed magnetic logic gate”

9. Tianyou ZHAI (MANA/NIMS)

“CdS Nanostructures: From Synthesis to Applications”

10. Takeshi NAGASE (Osaka University)

“Crystal-to-Amorphous-to-Crystal (C-A-C) transition in Cr-Ti alloy”