

**The 3rd Advanced Materials Research
Seminar for Exchange Program between
Gyeongsang National University and Osaka University**

July 30, Wednesday, 2008

Memorial Hall of Materials Research, Osaka University

- 9:25 ~ 9:30 Opening OU Professor Hideo Nakajima
- 9:30 ~ 9:50 NIMS, Trustee Yukichi Umakoshi
The World Premier International Research Center (WPI) Initiative and Research
Activity of NIMS
- 9:50 ~ 10:10 GSNU Professor Tae-hyun Nam
Rapidly solidified shape memory alloys
- 10:10 ~ 10:30 OU Professors Shinji Fujimoto and Hiroyuki Yamamoto
Passivity Breakdown and Repassivation on TiNi Shape Memory Alloy during Super
Elastic Deformation
- 10:30 ~ 10:50 OU Professor Tomoyuki Kakeshita
Microstructure evolution through solid-solid phase transformation under a
magnetic field
- 10:50 ~ 11:10 GSNU Professor Chul-jin Kim
Microstructural characterization of the high T_c coated superconductor and MgB₂
- 11:10 ~ 11:30 OU Professor Yoichi Ando
Unusual Properties of the Prototypical High-T_c Cuprate LSCO
- 11:30 ~ 11:50 GSNU Professor In-shup Ahn
The properties of MgB₂ superconducting materials fabricated by spark plasma
sintering
- 11 : 50 ~ 13:20 Lunch
- 13:20 ~ 13:40 GSNU Professor Ki-won Kim
Preparation and characterization of flexible wire-type battery
- 13:40 ~ 14:00 OU Professor Hiromi Yamashita
Design and application of single-site photocatalyst
- 14:00 ~ 14:20 GSNU Professor Hyo-jun Ahn
Electrochemical properties of thin film anode for microbattery
- 14:20 ~ 14:40 OU Professor Hideo Nakajima
Fabrication of Lotus-type porous aluminum and copper by thermal decomposition
method of compounds
- 14:40 ~ 15:00 GSNU Professor Bo-young Hur
The manufacturing and rheological properties of Al and Mg alloy metal foams
- 15:00 ~ 15:20 OU Professor Yasufumi Fujiwara
Development of new quantum devices with - semiconductors atomically doped
with rare earth
- 15:20 ~ 15:40 GSNU Professor Soon-ki Kwon
New synthetic approaches to novel OTFT materials:naphthalene and anthracene
containing OTFT materials
- 15:40 ~ 15:45 Closing GSNU Professor Bo-Young Hur
- 16:00 ~ 18:00 Students Symposium
Laboratory Tour (for Professors)
Division of Materials and Manufacturing Science, and Inst. Sci. Indust. Res.
- 18:20 ~ Banquet La Scena