

Workshop on "Novel Development of Magnetic Microscopy and Smart Spintronics Materials"

Eki-Mae Campus, Osaka Electro-Communication University, Osaka
Japan,

January 17th and 18th, 2012

Sponsored: Japan Science and Technology Agency (JST) projects
"System Development Program for Advanced Measurement and Analysis" and
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Osaka Electro-Communication University (OECU)

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Kansai Branch, Applied Physics Society
Kansai Branch, Surface Science Society of Japan
Kansai Branch, Japan Vacuum Society
The Magnetics Society of Japan

Program

1. 17th January (Tuesday) 13:00-17:40

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| (1) Opening Address | 13:00-13:05 |
| (2) E. Bauer (Arizona State Univ., USA)
"Ferromagnetic nanostructures on ZnS(100)" | 13:05-13:55 |
| (3) J. Kirschner (Max-Planck-Institute Halle, Germany)
"Highly efficient multichannel spin-polarization detection" | 13:55-14:45 |

~Break 14:45-15:10~

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| (4) T. Koshikawa (Osaka Electro-Communication Univ., Japan)
"Dynamic observation of spintronics thin film materials with high brightness and high spin-polarized SPLEEM" | 15:10-16:00 |
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- (5) **Y. Takeda (Nagoya Univ., Japan)** **16:00-16:50**
“Fabrication of high brightness and highly spin-polarized semiconductor Photocathodes”
- (6) **T. Ono (Kyoto Univ., Japan)** **16:50-17:40**
“Current-induced domain wall motion in perpendicularly magnetized Co/Ni nanowires”

2. 18th January (Wednesday) 10:00-16:50

- (1) **W. Wulfhekel (Karlsruhe Institute of Technology, Germany)** **10:00-10:50**
“From quantum spins to molecular spintronics”
- (2) **K. Koike (Hokkaido Univ., Japan)** **10:50-11:40**
“Recent Progress in Spin-SEM”

~Lunch (11:40-13:10)~

- (3) **M.S. Altman (Hong Kong Univ. of Sci. and Technol., China)** **13:10-14:00**
“SPLEEM investigations of Fe/W(111) films”
- (4) **A.K. Schmid (Lawrence Berkeley National Laboratory, USA)** **14:00-14:50**
“Imaging Effects of Confinement and Proximity In-Situ by Spin-Polarized Low-Energy Electron Microscopy”

~Break (14:50-15:10)~

- (5) **B.N. Dev (Indian Association for the Cultivation of Science, India)** **15:10-16:00**
“Magnetic domains in thin Co films on Si with a buffer layer: A spin polarized low energy electron microscopy investigation”
- (6) **K.Umezawa (Osaka Pref. Univ., Japan)** **16:00-16:50**
“Low energy atom scattering spectroscopy for the analysis of insulator surfaces”