

IEEE Magnetics Society Nagoya Chapter Young Researcher Meeting

Date: 13:00-17:15, Mar. 16 (Mon.), 2009

Theme: Magnetics

Place: room IB071, IB Electronics & Information Building, Nagoya University

Program

13:00-13:05 Opening, Satoshi Iwata (Nagoya University)

13:05~13:20

Structure and exchange anisotropy of (001) oriented epitaxial $\text{Mn}_{80}\text{Ir}_{20}/\text{Co}_{90}\text{Fe}_{10}$ bilayers
T. Kobayashi, H. Kato, T. Kato, S. Iwata, and S. Tsunashima (Nagoya Univ.)

13:20~13:35

Structure and Perpendicular anisotropy of FePt-Ag and FePt-MgO granular films
R. Ikeda, M. Kagami, T. Kato, S. Iwata and S. Tsunashima (Nagoya Univ.)

13:35~13:50

Study on two-dimensional magnetophotonic crystals fabricated atop patterned substrates.
SeungMin Baek, Alexander Baryshev, Jooyoung Kim, Hironaga Uchida, Mitsuteru Inoue (Toyohashi Univ. of Tech)

13:50~14:05

Exhibition of optical surface states in 1D magnetophotonic crystal and its functionality.
Taichi Goto (Toyohashi Univ. of Tech.), Alexander Baryshev, (Toyohashi Univ. of Tech.), Hironaga Uchida (Toyohashi Univ. of Tech.), A. M. Merzlikin (Inst. Theoretical & Applied Electromagn), A. P. Vinogradov (Inst. Theoretical & Applied Electromagn), A. B. Granovsky (Moscow State Univ.), Mitsuteru Inoue (Toyohashi Univ. of Tech.)

14:05~14:20

Exchange bias of FM/AFM in FePt/FeRh double layers
Nguyen T. Nam, W. Lu, and T. Suzuki (Information Storage Materials Laboratory, Toyota Technological Institute)

14:30~14:45

Structure and magnetic properties of ordered FeRh-Pt thin films

W. Lu, N. T. Nam and T. Suzuki, IEEE Fellow (Information Storage Materials Laboratory, Toyota Technological Institute)

14:45~15:00

Local magnetic properties of Co₂MnSn Heusler alloy films and magnetoresistance of Co₂MnSn-based magnetic tunnel junctions

Daisuke Gondo, Yuji Sakai, Tomoya Fujita, Wei Zhang, Ko Mibu (Nagoya Institute of Technology)

15:00~15:15

Investigation of Magnetic Hyperfine Field in Co₂TiSn Heusler Alloy Films using Nuclear Resonant Scattering

E. Suharyadi^{1,2}, T. Hori¹, K. Mibu^{1,2}, M. Seto^{3,2,4}, S. Kitao^{3,2}, T. Mitsui^{4,2}, and Y. Yoda^{5,2} (¹ Nagoya Institute of Technology, ²JST, CERST, ³Kyoto University, ⁴Japan Atomic Energy Agency, ⁵JASRI)

15:15~15:30

Magnetoresistance properties of CoFeSiAl-MgO granular thin films

K.Sato, R.Kusakabe, Y.Fujiwara, M.Jinbo*, T.Kobayashi (Mie Univ. *Daido Inst.Techol.)

15:30~15:45

On Signal Processing for Multi-track Recording Channel

Akihisa Kato, Hiroshi Kamabe (Information Science, Graduate School of Engineering, Gifu University)

15:55~16:10

Investigation of spin-filtering effect in magnetic tunnel junctions with a ferromagnetic La₂NiMnO₆ barrier

Yuichi Shiji, Toshifumi Katsuragi, Yuya Miyazaki, Masaaki Tanaka, Ko Mibu (Nagoya Institute of Technology)

16:10~16:25

Injected charge modulation by an external magnetic field in $\text{Cr}_2\text{O}_3/\text{Cr}_2\text{O}_{3-x}/\text{FeCr}/\text{CeO}_2/\text{Si}$ capacitor

T. YOKOTA, S. MURATA, S. KITO, and M. GOMI (Nagoya Institute of Technology)

16:25~16:40

Tunnel magnetoresistance of Fe / GaAs / Fe junctions

Syuta Honda¹, Jun-ichiro Inoue¹, Hiroyoshi Itoh² (Nagoya Univ. ¹, Kansai Univ. ²)

16:40~16:55

Giant Magnetoresistance of magnetic multilayers and magnetic granular films

Yoshihiro Yamagishi, Syuta Honda¹, Jun-ichiro Inoue¹, Hiroyoshi Itoh² (Nagoya Univ. ¹, Kansai Univ. ²)

16:55~17:10

Magnetic Properties and Electronic Structures of $\text{Fe}_2\text{Cr}_{1-x}\text{M}_x\text{Si}$ (M = Ti, V)

Kazunari Takahashi, Naoto Fukatani, Yoichi Takeda, and Hidefumi Asano (Nagoya University)

17:30 Party