

# IEEE Magnetics Society Nagoya Chapter Young Researcher Meeting

Date: 13:00-16:30, Feb. 23 (Wed.), 2011

Theme: Magnetics

Place: room IB081, IB Electronics & Information Building, Nagoya University

## Program

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

13:05~13:25

Control of Magnetic Properties of MnBiCu Thin Films by  $Kr^+$  Ion Irradiation

S. Jyo, r. Kanbara, T. Kato, and S. Iwata (Nagoya Univ.)

13:25~13:45

Spin polarization analysis of ferromagnetic  $Fe_4N$  using superconductor NbN

T. Hohjo, K. Sakuma, T. Miyawaki, K. Ueda, H. Asano, Y. Komasaki\*, and M. Tsunoda\* (Nagoya Univ., \*Tohoku Univ.)

13:45~14:05

Strain effect and transport properties in antiferromagnet Heusler  $Fe_2VSi$  thin films

N. Fukatani, K. Ueda, and H. Asano (Nagoya Univ.)

14:05-14:15 Break

14:15~14:35

Piezoelectric active matrix drive of magnetophotonic crystals and its application to spacial light modulators

K. Okada, S. Mito, R. Isogai, H. Takagi, M. Inoue (Toyohashi Univ. of Tech.)

14:35~14:55

Consideration of Fabricating Multiferroic Magneto-photonic Crystals

H. Sato, T. Goto, A. Kume, H. Takagi,\* and M. Inoue (Toyohashi Univ. of Tech., \*Toyota National College of Tech.)

14:55~15:15

Fabrication of magnetic garnet films by means of laser annealing technique

Y. Suzuki, Y. Eto, K. Yamada, T. Goto, H. Takagi, P. B. Lim, A. Baryshev, and M. Inoue (Toyohashi Univ. of Tech.)

15:15-15:25 Break

15:25~15:45

Local magnetism and transport properties of Co-based Heusler alloy films prepared by atomically controlled alternate deposition

S. Horii, Y. Ishikawa, Y. Wada, S. Hori, A. Murata, M. Tanaka, K. Mibu, K. Kondou\*, T. Ono\*, and S. Kasai\*\* (Nagoya Inst. of Tech., \*Kyoto Univ., \*\*NIMS)

15:45~16:05

TMR effect of CoFeAlSi-AlO granular films

M. Kondo, T. Chino, Y. Fujiwara\*, and M. Jimbo (Daido Univ., \*Mie Univ.)

16:05~16:25

Low-current controlled domain wall motion in CoB/Ni nanowires

D. T. Ngo and H. Awano (Toyota Tech. Institute)

17:00 Reception