

Joint Workshop of IEEE Magnetics Society Nagoya Chapter & IEEJ Thechnical Committee on Magnetics

in cooperation with

IEEJ Special Research Committee on Nanoscale Magnetic Materials

IEEJ Special Research Committee on Nanoscale Spin Storage

MSJ Special Meeting of Optical and Magnetic Devices

Date: Dec. 1 (Tue) - 2 (Wed), 2009

Place: Spa Resort Hotel Sunhills MIKAWAWAN, Aichi

Topic: Nano-scale Magntetics and Applications

Program:

MAG-09-168

Magnetic transport properties of spin-filtering junctions using ferromagnetic insulator
 $\text{La}_2\text{NiMnO}_6$

M. Tanaka, T. Katsuragi, Y. Miyazaki, Y. Shiji, K. Mibu (Nagoya Institute of Technology)

MAG-09-169

Magnetoresistance and electronic states of the fcc-metal / graphene / fcc-metal junctions

A. Yamamura, S. Honds, J. Inoue, H. Itoh* (Nagoya University, *Kansai University)

MAG-09-170

Voltage-dependence of spin dependent transport in Fe / GaAs contacts

S. Honda, J. Inoue, H. Itoh* (Nagoya University, *Kansai University)

MAG-09-171

Magnetization alignments in Co_2MnSi / Cr / Co_2MnSi junctions

W. Kakeno, S. Honda, J. Inoue, H. Itoh* (Nagoya University, *Kansai University)

MAG-09-172

Detection of magnetization reversal of magnetic nanoparticles by STM

H. Sakuma, A. Aoto, K. Ishii (Utsunomiya University)

MAG-09-173

Magnetoresistance properties and structures of ferromagnetic metal-MgO granular films

K. Sato, Y. Fujiwara, Y. Urakawa, H. Mtsuda, T. Kato*, M. Jimbo**, T. Kobayashi (Mie
University, *Nagoya University, **Daido University)

MAG-09-174

Nano-dot array fabrication by using AFM nano-indentation technique

T. Hashimoto, S. Okamoto, N. Kikuchi, O. Kitakami (Tohoku University)

MAG-09-175

AC magnetization properties of magnetic nanoparticles and their particle size dependence

K. Ueda, H. Kobayashi, S. Hatsugai, A. Tomitaka, T. Yamada, Y. Takemura (Yokohama National University)

MAG-09-176

Ferroelectric and magnetic properties of bismuth system multiferroic thin films

K. Yoshimoto, S. Tachiki, S. Kobayashi, Y. Takeda, K. Ueda, H. Asano (Nagoya University)

MAG-09-177

Magnetization dynamics of GdFeCo and (GdRE)FeCo (RE = Yb, Tm, Er) alloy films

R. Komiya, T. Kato, S. Iwata, S. Tsunashima, N. Nishizawa* (Nagoya University, *Osaka University)

MAG-09-178

Antiferromagnetic coupling and spin configuration in Ni / TbFeCo films

X. Liu, H. Nakamura, T. Kanazawa, A. Morisako (Shinshu University)

MAG-09-179

Directional alignment and anisotropic internal stress in Ru / FeCoB films with high anisotropy field

S. Nakagawa, K. Hirata (Tokyo Institute of Technology)

MAG-09-180

High sensitivity GMR sensor using domain wall oscillation

S. Nakashima, S. Arai, T. Kato, S. Iwata, S. Tsunashima (Nagoya University)

MAG-09-181

Developing high-sensitivity magnetic field sensor based on magneto-optic Faraday effect in garnet film

K. Kobayashi, M. Abe*, T. Ueda*, H. Handa*, T. Nakagawa** (Iwate University, *Tokyo Institute of Technology, **Osaka University)

MAG-09-182

A Study of strain sensor using magnetostrictive film

Y. Suwa, S. Agatsuma, S. Hashi, K. Ishiyama, (Tohoku University)

MAG-09-183

Preparation of Nd-Fe-B film magnets by using arc-plasma

K. Yamawaki, M. Sahara, T. Yanai, M. Nakano, H. Fukunaga (Nagasaki University)

MAG-09-184

Influences of oxidation and Cu addition on coercivity of Nd-Fe-B thin films

M. Matsuura, T. Fukada, R. Goto, N. Tezuka, S. Sugimoto (Tohoku University)

MAG-09-185

Heat distribution analysis of recording medium for thermally assisted magnetic recording

Y. Moriyama, Y. Osa, Y. Ashizawa, K. Nakagawa, A. Tsukamoto, A. Itoh (Nihon University)

MAG-09-186

Resolution of magnetic garnet films and collinear magnetic hologram record

S. Sugiura, S. Mito, P. B. Lim, H. Horimai, K. Watanabe, M. Inoue (Toyohashi University of Technology)

MAG-09-187

Enhancement of magneto-optical effect of magnetic garnet by periodic array of Au particles fabricated by electron beam lithography

Y. Mizutani, H. Uchida*, B. Alexander, M. Inoue (Toyohashi University of Technology, *Tohoku Institute of Technology)

MAG-09-188

Study on magnetic garnet film for reflection type magneto-photonics crystal

M. Yamada, S. Mito, C. Kwang-hyun, H. Takagi*, J. Kim, P. B. Lim, M. Inoue (Toyohashi University of Technology, *Toyota National College of Technology)

MAG-09-189

Fabrication of three-dimensional magnetophotonic crystal based on opal

Y. Ozawa, S. Baek, A. V. Baryshev, M. Inoue (Toyohashi University of Technology)