International Workshop on Nanostructured Magnetic Materials
Program

May 30 (Tuesday)

13:00-13:40 **Takeshi Yanai**
(Nagasaki University)
Magnetic films prepared by an electroplating method

13:50-14:50 **Shinpei Yamamoto**
(National Institute of Advanced Industrial Science and Technology)
Low temperature synthesis of SiO_2-coated α-Fe nanoparticles

15:00-15:40 **Tomoyuki Ogawa**
(Tohoku University)
Synthesis of Fe-based nanoparticles and their assembly for high-frequency application in GHz range

15:50-16:50 **Tetsuo Uchikoshi**
(National Institute for Materials Science)
Fabrication of textured ceramics by magnetic field-assisted colloidal processing

May 31 (Wednesday)

9:20-10:20 **Satoshi Hirosawa**
(National Institute for Materials Science)
Nd-Fe-B permanent magnet

10:30-11:30 **Masaki Nakano**
(Nagasaki University)
Fabrication of film magnets and their applications

11:30-13:00 Lunch Break

13:00-14:00 **Thomas Schrefl**
(Danube University Krems)
Computational design of multiphase permanent magnets

14:10-15:10 **J. Ping Liu**
(University of Texas at Arlington)
Fabrication of Nanostructured Magnets: Approaches from the Bottom

15:20-16:00 **Masaaki Takezawa**
(Kyushu Institute of Technology)
Magnetic domain observation of permanent magnets with a Kerr microscope

16:10-17:10 **Kanta Ono**
(High Energy Accelerator Research Organization)
Characterization of magnetic materials with X-ray microscopy

June 1 (Thursday)
10:00-12:00 Poster Presentation by Students and Young Researchers

P-1 **Shintaro Hinata, Shin Saito**
(Tohoku University)
Characterization of magnetic properties for CoPt-based alloy films using Q-band FMR

P-2 **Akihiro Shimizu, Shintaro Hinata, Shin Saito**
(Tohoku University)
High-deposition-rate sputtering of oxide film by hot-chathode method

P-3 **K. Miyazawa[1], T. Yomogita[1], S. Okamoto[2], N. Kikuchi[2], O. Kitakami[2], T. Akiya[3], K. Hioki[3], A. Hattori[3]**
([1] Graduate School of Engineering, Tohoku University, [2] Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, [3] Daido Steel Co. Ltd.)
First-order reversal curve analysis of hot-deformed Nd-Fe-B magnets

P-4 **Akihiro Yamashita, Keisuke Takashima, Takeshi Yanai, Masaki Nakano, Hirotoshi Fukunaga**
(Nagasaki University)
Microstructures and magnetic properties of Pr-Fe-B/Fe-Co film magnets prepared using PLD method

P-5 **Yoshiaki Hayashi, Kazushi Ishiyama**
(Research Institute of Electrical Communication, Tohoku University)
Preparation of sub-micron sized Fe-Pt particles

P-6 **Simon Fontaine[1,2], Tomoyuki Ogawa[2], Shin Saito[2]**
([1] Institut National des Sciences Appliquées de Lyon, [2] Tohoku University)
Characterization of chemically synthesized iron oxide nanoparticles for high-loss-iron/iron oxide hybrid material

P-7 **Keisuke Ooki, Koichi Akahane, Shin Saito**
(Tohoku University)
Magneto refractive effect for antiferromagnetically exchange coupled multilayers in near infrared

P-8 **Yuto Matsumoto, Daisei Tatsuoka, Yoshiaki Hayashi, Shuichiro Hashi, Kazushi Ishiyama**
(Research Institute of Electrical Communication, Tohoku University)
High-frequency near magnetic field measurement system using magneto-optical effect

P-9 **Jingyan Ma[1], Sho Muroga[2], Yasushi Endo[3], Yoshiaki Hayashi[1], Shuichiro Hashi[1], Kazushi Ishiyama[1]**

([1] Research Institute of Electrical Communication, Tohoku University, [2] National Institute of Technology, Toyota College, [3]Graduate School of Engineering, Tohoku University)

Analysis of characteristic length and B distribution of magnetic film covered on MSL as a noise suppressor

P-10 **Yoshiki Hane, Hideaki Tanaka, Kenji Nakamura**

(Tohoku University)

Basic Examination of Hysteresis Modeling for Reluctance Network Analysis

P-11 **Yuta Ichikawa, Kenji Nakamura**

(Tohoku University)

Performance Calculation of Claw-Pole Motor based on Reluctance Network Analysis

P-12 **Dongjun Lee, Kenji Nakamura**

(Tohoku University)

Design and Analysis of High-Speed Permanent Magnet Motor

P-13 **Yuito Kubo, Kaoru Arai, Shuichiro Hashi, Kazushi Ishiyama**

(Research Institute of Electrical Communication, Tohoku University)

Basic properties of vibration sensor using FeSiB magnetostrictive thin film

P-14 **K. Kusunoki, S. Hashi, Y. Hayashi, K. Ishiyama**

(Research Institute of Electrical Communication, Tohoku University)

Sensitivity Improvement of Thin Film Magneto-Impedance Sensor