



ISAM²-2003

October 8-10, 2003, Yokohama, Japan

**International Symposium on Advanced Magnetic Materials (ISAM²)
Symposium B-9 of IUMRS-ICAM 2003***



TOPICS of ISAM²-2003

Physics and chemistry of magnetic materials (metals, alloys, oxides, chalcogenides, nitrides, etc.) / Crystal growth, sintering and micro structure / Raw materials and manufacturing processes / Nanostructures, superstructures, photonic crystals, and multilayers (TMR, GMR, Spin valves, etc.) / Fine particles and composite materials / Soft magnetic materials / Hard magnetic materials and magnets / Magnetic recording: media, heads and systems / Magneto-optics: materials and applications / High frequency and microwave materials, and applications (EMC, EMI etc.) / Biomagnetism and medical applications / Catalytic applications and environmental technology / Magnetic fluids and toners / Sensors, transducers and other applications / Novel measurements and characterization techniques: SPM, Spin SEM, etc. / Others

**Abstract deadline
April 30, 2003**

**Organized by
The Materials Research Society of Japan
and
IEEE Magnetics Society Japan Chapter**

ISAM²: http://spin.pe.titech.ac.jp/IUMRS-ICAM2003/B-9ISAM2/call_for_papers.html
IUMRS-ICAM 2003: <http://www.mrs-j.org/ICAM2003/index.html>

* The registered participants of ISAM²-2003 can attend 50 symposia of IUMRS-ICAM 2003, which will include research on all kinds of materials, to be held from October 8 to 13, 2003, three days longer than ISAM²-2003.

List of Invited Talks (tentative)

- J. M. Byers (Naval Research Lab., U.S.A.)
"Magnetoelectronics for biological applications"
- E. E. Fullerton (IBM, U.S.A.)
"Resonant magnetic x-ray imaging and scattering as probes of heterogeneous thin films"
- A. Granovsky (Moscow State Univ., Russia)
"Magnetorefractive effect in nanocomposites"
- P. Gruenberg (Forschungszentrum Juelich, Germany)
"Interlayer exchange coupling across tunnel barriers"
- V. G. Harris (Naval Research Lab., U.S.A.)
- C. O. Kim (Chungnam National Univ., Korea)
"Exchange coupling of MTJ multilayers"
- D. E. Laughlin (Carnegie Mellon Univ., U.S.A.)
"Recent advances in magnetic recording using FePt alloys"
- X. Li (National Univ. of Singapore, Singapore)
"Nanocrystalline deposition for developing high permeability magnetic materials"
- H. Ohno (Tohoku Univ., Japan)
"Ferromagnetism in semiconductor heterostructures for spintronics"
- K. Suzuki (Monash Univ., Australia)
"Magnetic hardening due to flash annealing of Fe₃B/Nd₂Fe₁₄B nanocomposite magnets"
- C. Williams (Morgan State Univ., U.S.A.)
"Magnetization in pulse laser deposited epitaxial ferrite films and bilayers"

Chairpersons (International)

- America
Eric E. Fullerton (IBM)
Vincent G. Harris (Naval Research Laboratory)
- Germany
P. Gruenberg (Forschungszentrum Juelich)
- Korea
C. O. Kim (Chungnam National Univ.)
- Russia
A. Granovsky (Moscow State Univ.)
- Singapore
X. Li (National Univ. of Singapore)
- Taiwan
Y. D. Yao (SINICA)

Chairpersons (Domestic)

- M. Abe (Tokyo Inst. Tech.)
Y. Hirotsu (Osaka Univ.)
M. Inoue (Toyohashi Univ. Tech.)
K. Takanashi (Tohoku Univ.)
Y. Nakamura (Tokyo Inst. Tech.)
E. Kita (Univ. Tsukuba)
T. Sato (Shinshu Univ.)
Y. Miura (Fujitsu Ltd.)
T. Shinohara (Hitachi Metals Ltd.)

Organizing Committee Members

- M. Abe (Tokyo Inst. Tech.)
Y. Hirotsu (Osaka Univ.)
M. Inoue (Toyohashi Univ. Tech.)
K. Ito (Hitachi Ltd.)
K. Kawakami (Shibaura Inst. Tech.)
E. Kita (Univ. Tsukuba)
N. Matsushita (Tokyo Inst. Tech.)
Y. Miura (Fujitsu Ltd.)
Y. Miyamoto (JAPAN Broadcasting Corp.)
S. Nakagawa (Tokyo Inst. Tech.)
Y. Nakamura (Tokyo Inst. Tech.)
K. Noda (The Inst. Phys. Chem. Research)
T. Ochiai (Toyo Corp.)
Y. Saito (TOSHIBA Corp.)
T. Sato (Shinshu Univ.)
T. Shinohara (Hitachi Metals Ltd.)
K. Tagami (NEC)
K. Takanashi (Tohoku Univ.)

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