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INTERMAG
ASIA International Magnetics Conference
TAIPEI 2011
Taipei, Taiwan April 25-29, 2011

Message from the Chair

Every six years INTERMAG comes to Asia, and it is with great excitement that we invite you to attend the Asia International Magnetics Conference, INTERMAG 2011, which will be held from Monday April 25 until Friday April 29, 2011, at the Taipei International Convention Center (TICC) in Taipei.

INTERMAG is the premier conference on applied magnetics which allows scientists and engineers from all over the world to meet and discuss novel developments in magnetics, magnetic materials and associated technologies. INTERMAG 2011 is planned to provide a range of oral and poster presentations, invited talks and symposia, a tutorial session, and exhibitions reviewing the latest developments in magnetics. We invite you to attend the conference and actively contribute to one or more of its technical sessions.

Taipei, the conference venue, is in every sense a modern metropolis, with its sleek glass and steel architecture, advanced transportation system, and vast, lively scene of shopping malls, arts venues, restaurants and night spots. The city, located in northern Taiwan, is a many-faceted treasure and offers something special for everyone.

On behalf of the Management Committee of INTERMAG 2011, we look forward to seeing you in Taipei and to your participation in this exciting conference.

Sincerely,

Ching-Ray Chang
Bruce D. Terris
INTERMAG 2011 General Chairmen

First call for papers

LOCATION

The INTERMAG 2011 Conference will be held in Taipei, from April 25 to April 29, 2011. All members of the international scientific communities interested in new developments in magnetism and associated technologies are invited to attend and submit their latest findings to INTERMAG 2011. The Program consists of invited and contributed papers and selected papers from the conference will be published in the IEEE Transactions on Magnetics.

The conference site will be at the Taipei International Convention Center. These are large lecture theaters, several lecture rooms, and large open spaces suitable for poster sessions, exhibitions, and registration booths.

DIGEST SUBMISSION

Digest submission will be open on November 10, 2010. The deadline for digest submission is December 10, 2010. This deadline will be strictly observed. All digests must be submitted only via the web at: http://www.intermagconference.com/intermag2011/.

Digests sent via e-mail or regular mail will not be processed nor acknowledged. Digests should be in the form of a two (2) page summary. More details about the format are posted on the conference submission web site at: http://www.intermagconference.com/intermag2011/.
Digests decisions will be announced via e-mail. Authors will be informed of the status of their submission in mid-January, 2011.

PRESENTATION

Contributed papers accepted for the Conference will be presented either orally or by poster. Authors are requested to indicate their preference for giving an oral or poster presentation on the electronic submission form. The Program Committee will make the final decision on the assignment of papers to sessions and the presentation format for each session. In the e-mail notice of acceptance, authors will be notified of the type of session for their presentation. They will also receive a URL providing detailed guidelines and instructions for effective presentation.

Oral presentations will be in the conventional format of a **12-minute** talk by the registered author using an LCD projector, followed by a 3-minute discussion period. **NOTE: ONLY LCD** projectors will be provided. Authors are expected to bring their presentation on their own laptop computers along with a backup copy on a USB Drive in case of laptop failure. All Oral talks will be presented in this manner — **NO OTHER PRESENTATION FORMAT IS AVAILABLE.**

Poster presentations will consist of well-prepared visual materials about the work posted on a designated board, with the author available to present details and answer questions during the selected poster sessions. Simply posting **A Hard Copy of the Paper** is Inappropriate and will be marked as a NO SHOW. The surface area available for posters is **140 cm high** by **200 cm wide**. The Conference provides a small sign designating the paper to be posted on each board, a covered table beneath each board for supplies, etc., and a small number of pushpins for posting the paper on the board.

REGISTRATION

Online Advance Registration will be available from January 21, 2011 until April 1, 2011. Conference registration fees will not include any meals/meal service.

PUBLICATION

If your digest is accepted for presentation at Intermag, you may contribute a paper for publication in the special Intermag issue of IEEE Transactions on Magnetics. The maximum paper length is FOUR (4) journal pages for contributed papers and SEVEN (7) journal pages for invited papers. Note that the number of pages allowed has been increased with regard to previous Intermag Conferences. The deadline for manuscript submission is February 18, 2011. Post-deadline manuscripts will not be accepted nor forwarded for review.

The review standards will mirror those used for regular articles to be published in IEEE Transactions on Magnetics. Note that participation in the conference does not guarantee that a paper will be accepted for publication. Additionally, at least one of the paper co-authors must present their paper at the conference in order to get consideration for publication.

Because of the time constraints, there will be no second round of reviews for papers that are rejected at the initial stage. All the papers will have two peer reviews and the manuscripts will be ranked by the INTERMAG editors. Due to budget, papers with two mildly positive reviews may still be rejected. It is estimated that only two thirds of the submitted papers will be accepted for publication.

All manuscripts will be submitted via the IEEE web submission system, Manuscript Central. Instructions for submission and accepted formats for the journal as well as a link to Manuscript Central is available at http://mc.manuscriptcentral.com/magconf-ieee. All papers being published in the special issue of the IEEE Transactions on Magnetics must be submitted this way. No hard paper manuscripts will be accepted. Reviewing and revisions will all be handled through the online system.

STUDENT TRAVEL

The IEEE Magnetic Society will award travel grants of up to $1,000 each to a limited number of students in the areas of basic and applied magnetism. These grants are intended to partially offset travel costs for their participation in the INTERMAG 2011. Financial support is only for current graduate students. Postdoctoral fellows, undergraduates or non-students are not eligible.

The student's advisor must be a member of the IEEE Magnetics Society. Preference will be given to those applicants who are student members of the Magnetics Society, nearing completion of their graduate studies and presenting conference papers. Students who have previously received travel support from the Magnetics Society for any other conference are not eligible. The application web site will open soon after the announcement of accepted abstracts. Application forms and instructions for all travel grants will be posted online at www.intermagconference.com/intermag2011 under "Student Travel", after the announcement of digest acceptance in mid-January, 2011.

The deadline for submitting applications and letters of endorsement is February 07, 2011. Incomplete or late applications and endorsement letters will not be considered. Applicants will be notified of the committee's decision in April, 2011.

STUDENT BEST PRESENTATION AWARD

A competition will be held during the conference for the IEEE Magnetics Society Student Best Presentation Award, which recognizes and encourages excellence in graduate studies of magnetism. Full- time graduate students who will be the presenting author of either poster or oral contributions may apply.

Note that supplementary information is required to describe the motivation for the research, significance of the research results and the applicant's contribution to the work being presented. A brief letter of support from the student's advisor is also required, and should be submitted along with the digest. Up to five (5) finalists will be selected based on accepted digests and the supplementary information. Only the finalists will receive notification from the selection committee.

The winner will be selected at the conference by the Student Best Presentation Award subcommittee, and announced soon after the close of the conference. The award consists of a fellowship of $1500 and certificate for the winner, and a $250 fellowship and certificate for the remaining finalists.

EXHIBITS

Exhibits of related services, equipment, materials, software, technical journals and books will be held as a part of the 2011 INTERMAG Conference. Individuals and organizations who are interested in purchasing booth space should contact Melody Chu, Exhibits Coordinator: e-mail: intermag2011@icl.com.tw;
Tel: +886-2-2706-2448 ext. 802. The Exhibitor Prospectus will be available on the web site in August 2010.

VISA REQUIREMENTS

The Visitor Visa Application Form can be downloaded from the website of the Bureau of Consular Affairs, Ministry of Foreign Affairs.
(http://www.boca.gov.tw/mp?mp=2)
The completed form should be submitted to an overseas mission of the Taiwan, ROC
(http://www.boca.gov.tw/lp.asp?CtNode=125&CtUnit=72&BaseDSD=18&mp=2)
for visa issuance. For special assistance, please contact conference coordinator (intermag2011@icl.com.tw).

TECHNICAL SUBJECT CATEGORIES

1	*Magnetic recording*
1a.	• Recording Media
1b.	• Patterned Media
1c.	• Inductive writing heads and materials
1d.	• Reading heads, materials and structures (GMR, spin-valves, MTJ, etc.)
1e	• Recording physics, modeling, theory and testing
1f.	• Head-disk interface and tribology
1g.	• Recording systems, coding, servo, actuators and channels
1h.	• Energy assisted recording
1i.	• Magneto-optic, hybrid and novel recording
2	*Spin electronics and applications (non-recording)*
2a.	• GMR of multilayers, magnetic contacts and constrictions
2b.	• Magnetic Tunnel Junctions
2c.	• Spin transfer torque
2d.	• Magnetoresistive and half-metallic materials
2e.	• Complex oxides
2f.	• Multiferroic Materials
2g.	• Magnetic semiconductors
2h.	• Transport theory and spin injection
2i.	• MRAM, Magnetic Logic and Devices
2j.	• Organic and Carbon-based Spin Transport
3	*Soft magnetic materials and applications*
3a.	• Crystalline, nanocrystalline and amorphous materials
3b.	• Ferrites, Garnets and other materials
3c.	• Magneto-dielectric materials or meta-materials
3d.	• Applications
4	*Permanent magnet materials and applications*
4a.	• Intermetallic and other hard magnets
4b.	• Nanostructured and composite hard magnetic materials
4c.	• Rare earth transition metal borides
4d.	• Applications
5	*Magnetic thin films and nanostructures*
5a.	• Ultra-thin films and surface effects
5b.	• Multilayer films and superlattices
5c.	• Patterned films and elements (non-recording)
5d.	• Magnetic nanowires, clusters and nanoparticles
5e.	• Exchange bias
5f.	• Fast switching of films and nanostructures
6	*Functional magnetic materials and non-recording applications*
6a.	• Microwave and millimeter wave materials and devices
6b.	• Magneto-optic materials and devices
6c.	• Magneto-elastic materials and devices
6d.	• Magneto-caloric materials and devices
6e.	• Molecular and novel magnetic materials
6f.	• Magnetic fluids and separation
7	*Modeling and computational magnetism*
7a.	• Ab-initio and first principles calculations
7b.	• Micromagnetics and multiscale modeling
7c.	• Hysteresis modeling
8	*Characterization and interdisciplinary topics*
8a.	• Magnetic and structural measurements and instrumentation
8b.	• Magnetic microscopy and imaging
8c	• Fundamental properties with relevance to applications
8d	• Superconductivity
8e	• Emerging topics
9	*Sensors, high frequency and power devices*
9a.	• Magnetic sensors and MEMS (non-recording)
9b.	• Magnetoimpedance and high frequency materials
9c.	• Electromagnetic compatibility
9d.	• Transformers and inductors
9e.	• Motors and actuators
9f.	• Power and control magnetics
9g.	• Shielding, levitation and propulsion
9h.	• Magnetodynamics and ferromagnetic resonance
10	*Life sciences and applications*
10a.	• Bio and chemical magnetism
10b.	• Biomedical diagnostics and imaging
10c.	• Novel biomedical therapies and nanomedicine
10d.	• Measurement techniques and instrumentation

IMPORTANT DATES(All time is in US Eastern Time)

• Digest submission opens:	November 10, 2010
• Digest submission closes:	December 10, 2010
• Student presentation award closes:	December 10, 2010
• Accept/Reject Digest notices:	Mid-January, 2011
• Student travel application submission closes	February 07, 2011
• Manuscripts submission deadline:	February 18, 2011
• Advance registration opens:	January 21, 2011
• Advance registration closes:	April 1, 2011
• Hotel reservation deadline:	April 1, 2011