

Intermag Europe 2002

First and final call for papers



International Magnetism Conference
Amsterdam, The Netherlands, April 28 – May 2
www.intermagconference.com

LOCATION & DATE:

The International Magnetism Conference, Intermag Europe 2002, which will be held at the RAI Conference Centre, Amsterdam, The Netherlands from Sunday, April 28, until Thursday, May 2, 2002.

FUTURE INFORMATION:

Upgraded and new information will be given on our [website](http://www.intermagconference.com) regularly from September, 2001.

ADVANCE REGISTRATION:

Advanced registration will be open, with the form posted on the web site, by January 1, 2002. Advance registration will be closed, i.e. the registration web site will be closed, on April 5, 2002. Following that date, all registration fees must be paid onsite at the conference itself. More information about the registration will be given on our web site

VISA REQUIREMENTS:

Foreign citizens must carry a valid passport and/or visa to enter the Netherlands. You can contact the Dutch Embassy [in your country](#) for more information. Please do this well in advance, since a **visa application can take up to three months!**

If you need a personal letter of invitation to attend the conference, please contact Courtesy Associates. Be sure to provide your complete mailing address so that a signed letter of invitation can be mailed to you via standard mail service.

Please note that the Intermag Conference cannot contact or intervene with any Embassy of the Netherlands or Consulate office abroad on your behalf.

HOTEL ACCOMMODATION:

The RAI conference centre does not have its own hotel accommodation. Reservation of the official conference hotels, with discount, can be booked through the RAI Hotel Service. For the Intermag 2002 participants more than 700 hotel rooms have been reserved in various price categories. Hotel information and booking details will be given at the Intermag Europe website on November 1st, 2001. **Because the conference period includes the Queens day celebration at April 30th it advisable to reserve your hotel accomodation as soon as you can. This day is a national holiday there will be many tourists in Amsterdam looking for accommodation as well.**

DIGEST SUBMISSION:

The European Intermag is only accepting digests electronically. The digest must be submitted using the conference website. **All information regarding the format of the digests and submission categories can be found at this website.** The deadline for submission is October 17, 2001. This deadline will be strictly observed and the website will not accept digests after this deadline. Do **NOT** submit digests to Courtesy Associates.

Digest that are not submitted to the conference website will not be considered. Receipt of the digest submissions will be acknowledged.

DIGEST GUIDELINES:

In contrast to previous Intermag meetings the digest consists of a one-page summary only. It should outline the work to be reported, and include as many of the results as possible. The inclusion of figures, tables, and especially numerical results is strongly recommended. Further details can be found at the conference web site. As in the past, the Program Committee will make its selection by ranking digests on their technical content and intelligibility. Please do not submit a digest unless you expect to attend the conference. Acceptance/rejection letters will be sent in the middle of December 2001.

CALL FOR PAPERS:

Digest Submission Deadline: October 17, 2001.

Contributed papers are solicited in all areas of applied magnetics, related magnetic phenomena, and information storage technologies. Topics of wide interest which include all aspects of magnetic recording, magnetic memory technologies, microwave magnetics, micromagnetics and hysteresis modelling, microscopy and imaging, micromagnetic devices and MEMS, magnetic materials and properties, transformers and inductors. This list of subjects is intended to be suggestive rather than restrictive. However, we ask you to fit your contribution into one of the following subject categories namely:

1. Magnetic recording

- 1a Longitudinal thin film media
- 1b Perpendicular thin film media
- 1c Patterned media
- 1d Particulate media & ME tape
- 1e Inductive recording heads
- 1f MR-based heads (including GMR, spin-valves, MTJ, CPP, etc.)
- 1g Write head materials
- 1h Head-media interface, tribology
- 1i Recording systems, coding, servo & channels
- 1j Recording physics, models & theory
- 1k Magneto-optic recording
- 1l Hybrid & novel recording systems

2. Magneto-electronic materials & applications

- 2a Giant magnetoresistance, spin-valves & metallic multilayers
- 2b Magnetic tunnel junctions
- 2c Magnetic contacts, constrictions & current induced switching
- 2d Magnetoresistive oxides & semi-metallic materials
- 2e Magnetic semiconductors
- 2f Spin injection
- 2g Transport theory
- 2h Exchange biasing
- 2i MRAM
- 2j Magneto-couplers, logic & other magneto-electronic devices (including hybrids)

3. Soft magnetic materials & applications

- 3a Nanocrystalline & amorphous materials
- 3b Ferrites & other materials
- 3c Magnetoimpedance & high frequency properties
- 3d Modelling
- 3e Transformers & inductors
- 3f Other applications

4. Permanent magnet materials & applications

- 4a Rare earth – transition metal magnets
- 4b Intermetallic & other hard magnetic materials

- 4c High temperature magnets

- 4d Hard magnet processing

- 4e Applications

5. Magnetic thin films & nanostructures

- 5a Continuous single layer films, multilayer films & superlattices
- 5b Ultra-thin films & surface effects
- 5c Patterned films & elements
- 5d Magnetic clusters & nanoparticles
- 5e Domains, domain walls & magnetisation processes in films & nanostructures
- 5f Fast switching of films & nanostructures

6. Other magnetic materials & non-recording applications

- 6a Microwave materials & devices
- 6b Magneto-optic materials & devices
- 6c Magneto-elastic materials & devices
- 6d Molecular & novel magnetic materials

7. Characterisation, imaging, modelling & theory

- 7a Structural characterisation techniques
- 7b Magnetic measurements & instrumentation
- 7c Magnetic microscopy
- 7d Micromagnetic modelling
- 7e Hysteresis modelling
- 7f Computational magnetism
- 7g Anisotropy & magnetostriction

8. Other applications & interdisciplinary topics

- 8a MEMS
- 8b Magnetic sensors (other than for recording)
- 8c Power & magnetic device control
- 8d Levitation, propulsion & shielding
- 8e Device modelling
- 8f Magnetic fluids
- 8g Magnetic separation
- 8h Magnetochemistry & magnetism in the life sciences
- 8i Miscellaneous

In addition to the contributed papers invited papers will be presented. There will be sessions where competing technologies can be assessed and, tutorial sessions, for less formal discussions of timely and/or controversial topics. In all of the above, special emphasis will be placed on application-oriented topics.

PRESENTATIONS OF CONTRIBUTED PAPERS:

Contributed papers accepted for the conference will be presented either orally or by poster. All presentations must be in English. Oral presentations will be allowed 12 minutes and 3 minutes for discussion. At the conference the speakers can use overhead projection but data projection facilities will also be available. The presenting author must be a registered participant of the conference. Authors who submit digests for the conference should consider submitting full manuscripts for publication, but will not be required to do so. The INTERMAG papers are scheduled to be published during fall 2002 issue of the *IEEE Transactions on Magnetics*. Instructions for manuscript preparation will be given at our website and will be sent to authors of accepted digests. The submitted manuscripts will be subject to the usual review procedures of the Transactions. The length limit will be three pages for contributed papers and six pages for invited papers. ***The deadline for manuscript submission is January 11th, 2002.***

EXHIBITS:

A technical exhibition of materials, services, instruments and literature will be held during the conference. If you or your company are interested in exhibiting or would like to receive additional information about the Intermag Europe 2002 Exhibition, please contact Dr. Martin Bijker, Exhibits Chair, e-mail: MBijker@otb.nl, Tel: +31 (0)40 2919 796 and Fax: +31 (0)40 2919 799 or look at our webpage from where you can download all relevant information after September 1, 2001

CONFERENCE SOCIAL EVENT:

The social event will be a reception held at the Netherlands Maritime Museum at the heart of Amsterdam's characteristic harbour. One of the absolute highlights of the Maritime Museum is the exact replica of the VOC ship 'Amsterdam' dating from 1748. The 28 exposition rooms in the Netherlands Maritime Museum house a unique and priceless collection of paintings, drawings, ship models, instruments and other tools.

SPOUSE PROGRAM:

Spring is the ideal time to visit Amsterdam and the Netherlands. Accompanying persons can subscribe for guided tours in the world famous museum, canal-cruises or visits to the splendid surroundings of Amsterdam as e.g. Keukenhof, The Hague, Zaanse Schans and Utrecht. Details may be found on the website later this year.

FURTHER INFORMATION ON THE WEBSITE:

Complete details regarding hotel reservations and conference registration fees, along with the necessary forms will be available both in the Advance Program booklet and at the [conference web site](#).

For additional information please contact Courtesy Associates

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