

ICM 2003 – GENERAL INFORMATION

(last update March 2003)

SCOPE OF THE CONFERENCE

ICM 2003 has been programmed to provide a forum for the international magnetism community to discuss new concepts, properties and developments in all branches of fundamental and applied magnetism, as well as research on magnetic materials and their applications. Selected contributed oral and poster presentations are planned, together with plenary lectures, invited talks and symposia.

ROME INFORMATION

Rome is worldwide known as the Eternal City for its unique history. It has always attracted tourists from all over the world for its beauty and charm, its unforgettable monuments, architecture and invaluable arts which are a fascinating reminder of the past. In late July the temperatures in Rome range from 28 to 35 degrees Celsius and rarely rains. A large number of Romans go on vacation in this period, therefore the most popular tourist attractions, museums, shops and galleries are less crowded. Obviously the Congress Center, as well as most indoor cultural facilities, restaurants and shops are air conditioned.

THE CONFERENCE SITE

The Conference will be held at the Palazzo dei Congressi, Piazzale J.F. Kennedy, Rome. It is presently the largest Conference Center in Rome, equipped with all the facilities required for large conferences. It is the main building of the splendid complex of the Universal Exhibition of Rome, in the modern EUR district. It can be reached from the Leonardo da Vinci Airport in only 20 minutes by car and it is linked to the city by a number of buses and by the Metro B-line (see Transportation for details).

VISA REQUIREMENTS FOR ENTRY INTO ITALY

A valid passport is required for everyone wishing to enter Italy except for European citizens for which a valid Identity Card is required. The visa requirement depends on the home Country of citizenship. A link to (<http://www.esteri.it/eng/foreignpol/italstra/index.htm>), can be found in the ICM 2003 Home Page where all the information about VISA can be found.

Foreign participants are urged to contact the Italian Embassy or Consulate in their home Country as soon as possible to determine their particular visa requirements and to apply well in advance of their departure dates.

If you need a personal letter of invitation to attend the Conference, please contact the ICM 2003 secretariat at phone No. +39-06-90672285, FAX +39-06-90672470 or E-mail icm2003@milib.cnr.it, and give your complete mailing address. A signed letter will be then

mailed to you. This letter of invitation, however, does **not** imply an invited talk or waiver of registration fee.

TRANSPORTATION

Rome can be reached through many air routes. Most scheduled airlines have daily flights to Rome. Several airlines offer promotional fares to Rome. Train connections from the European cities are also very good. If you plan travelling in Europe, Rome is a very convenient base since any other European city can be reached within an hour or two by air.

The Official Carrier of ICM 2003 Conference is **Alitalia**. For information regarding availability, bookings and ticket purchase for ROME (ITALY), participants may contact their nearest Alitalia Office (see the addresses and the phone numbers on Alitalia Internet WEB Site: www.alitalia.com). When calling Alitalia, please quote **Identification Code "KV"**.

Participants originating from the United States may contact their nearest ALITALIA Office or call the toll-free number **1-800-223-5730** to reserve flights and receive tickets by mail directly to their address, quoting their **"KV"** Identification Code and credit card number for the charging of the corresponding amount. **All participants will benefit of a special discount on available fares.**

From Fiumicino airport there is a Train connection to Rome -Termini station. The non-stop trains "**Leonardo Express**" leave every day from Fiumicino Airport station every 30 minutes, from 6.37 am to 11.37 pm.. The fare is 8.80 EURO. A taxi to Rome (one way) will cost roughly 40 EURO and will take about 1 hour. More information about other connections from the airport to the city can be found in the ICM2003 web site (page VENUE).

Rome is served by an integrated public transport system operated by the companies Atac (<http://www.atac.roma.it/>), Cotral - FS. The system includes a network of metro, bus, tram and metro-type rail Services. The **metro** has two lines:

Line A Links the area of Tuscolana in the south-east of the city with **Termini** rail and Metro station, **the historic centre of Rome** and the area of Prati to the west.

Line B Links the EUR district, **where the Congress building is located (closest Metro Station EUR FERMI, walking distance from Piazza J.F. Kennedy)**, to the south of the city with the Basilica San Paolo, the Colosseo and the rail stations of Ostiense, **Termini** and **Tiburtina**.

The metro is in service between the hours of 05,30 until 23,30. The 75-Minute-Ticket (BIT) costs 0.77 EURO and it is valid for up to 75 minutes on all ATAC buses and trams, for one trip on metro lines A and B and for one trip on any metro-type FS train (2nd class).

HOTEL

Rome has an overall accommodation capacity of about 30,000 rooms (single, double or suites). Some nice hotels close to the Conference site and a large number of fine hotels of different categories near the historical center of Rome and well connected (by Metro) to the Conference site have been booked for Conference participants one year in advance.

Cheaper accommodation can be offered to a limited number of applicants in some of the pilgrim houses in Rome belonging to religious orders or congregations.

Reservations can be made through **Triumph P.R.**, the official Conference travel agency. Send the Hotel/Tour Reservation form by FAX or mail to Triumph P.R. Hotel Secretariat Via Lucilio, 60 – 00136 Rome, Italy Tel. +39/06/355301, FAX +39/06/35530231 E-mail: magnetism@gruppotriumph.it. The form can be downloaded from the ICM 2003 web page. If you have difficulty in obtaining it from the web page, send your FAX number or mail address to the Hotel Secretariat.

The table below shows the promotional rates for ICM 2003. Prices are expressed in EURO per room, per night, breakfast, services, 10% VAT **included** and refer to the highest price for each category.

Please, choose the Hotel category you prefer, and indicate it in the table reported in the **Hotel Reservation Form**.

CAT.	CATEGORY DESCRIPTION ¹	SINGLE ROOM	DOUBLE AS SINGLE USE	DOUBLE ROOM	TRIPLE ROOM
A	4* - Centre located	135.00	170.00	210.00	-
B	4* - Not in the centre	105.00	105.00	130.00	-
C	3* - Congress Venue area	-	95.00	110.00	
D	3* - Centre located	65.00-100.00	75.00-118.00	85.00-132.00	-
E	3* Superior – Centre located	109.00	144.00	163.00	-
F	3* - Congress Venue area (walking distance)	-	150.00	185.00	-
G	2* Superior – Centre located	60.00-67.00	-	95.00-110.00	116.00
H	2* - Centre located	50.00-67.00	80.00-90.00	85.00-100.00	100.00-150.00
I	Religious accommodation: on request				

¹ - All the Hotels are located close to a Metro Station or near the Conference Building.

Hotel room reservations will be accepted on a first-come, first-served basis **ONLY** until **May 15, 2002**. After this date Triumph P.R. will process your reservation but **does not guarantee** the room and the special Conference rates. As you know, in July Rome is visited by a lot of tourists, so, if you want to be sure to find the room and to take advantage of the special rates, please, send your reservation as soon as possible.

REGISTRATION

After May 15, only **on-site** registration will be accepted, with an **extra charge of 25%**. Thus, registering in advance is strongly recommended if you want to save time and money and queuing

up at the registration desk. The registration procedure can be found in the ICM web page www.ICM2003.mlib.cnr.it and consists of two steps:

1. **by web site:** please fill in the electronic form.
2. **by regular mail/fax:** please, fill in the downloadable form and send it to ICM 2003 Conference secretariat. The registration fees are reported in the table:

REGISTRATION FEES (before May 15, 2003)		
Full	cheque or bank transfer EURO 480	credit card EURO 505
Student/retired:	cheque or bank transfer EURO 320	credit card EURO 335
Companion	cheque or bank transfer EURO 50	credit card EURO 53
ON-SITE REGISTRATION FEES ** (after May 15, 2003)		
Full	cash EURO 600	credit card EURO 630
Student/retired:	cash EURO 400	credit card EURO 420
Companion	cash EURO 50	credit card EURO 53

****Note : only cash (Euro) or credit card** payment will be accepted for on-site registration.

WHAT IS INCLUDED

Full registration fee: Abstracts and Conference Program booklets, Conference Proceedings in CD form, participant kit, Welcome Party, coffee breaks.

Student/retired registration fee: Abstracts and Conference Program booklets, participant kit, Welcome Party, coffee breaks.

Companion registration fee: Welcome Party, access to conference building, coffee breaks. A tours program for companion is also available at Companion program.

PAYMENTS

Payments can be made by cheque (**made payable** to International Conference on Magnetism ICM 2003) or bank transfer, **free of all charges**, to International Conference on Magnetism ICM 2003, Bank account number 21189, Banca Nazionale del Lavoro 6392 ROMA EST CONS.N.RIC.

National	G 01005 03392 000000021189
International	IBAN IT66 G010 0503 3920 0000 0021 189
SWIFT BIC :	BNLIITRR

Please send the check or the bank transfer in time to ensure its receipt by ICM 2003 Organization no later than May 15th, 2003, when the registration fees go up. If the payment is made by credit card, please provide the credit card number, expiration date and the exact name of the cardholder, together with your signature. **Registration forms received after May 15th, 2003 will be**

processed at the higher onsite rate. Registration form received WITHOUT payment will not be processed until cheque or bank transfer or credit card information is received.

CANCELLATIONS

Written cancellations will be accepted before June 27th, 2003. Payments will be refunded, less a 50 Euro service charge, after the Conference. **Cancellation after June 27th, 2003 will not be refunded.**

Registration at the Conference will open at 4:00 p.m. on Sunday July 27th. All the conference attendees, including speakers, must register at the Conference, pay registration fees and receive an official conference badge. *EVERY ATTENDEE MUST WEAR HER/HIS OFFICIAL CONFERENCE BADGE TO ENTER THE CONGRESS BUILDING AND ANY TECHNICAL SESSION.*

To pick up your registration materials or to register on-site, please go to the Conference Registration Desks, at the main entrance of Palazzo dei Congressi (Piazza J.F. Kennedy). The hours that the Conference Registration Desks will be open are the follows:

Sunday, July 27 th	4.00 p.m. – 8 p.m.
Monday, July 28 th	8.00 a.m. – 6 p.m.
Tuesday, July 29 th	8.00 a.m. – 6 p.m.
Wednesday, July 30 th	8.00 a.m. – 6 p.m.
Thursday, July 31 st	8.00 a.m. – 6 p.m.
Friday, August 1 st	8.00 a.m. – 12 a.m.

Financial support for scientists from developing countries

In order to favour the Conference attendance of scientists from developing countries, the IUPAP will provide a limited number of grants to fully offset travel expenses (up to a maximum of Euro 500 for each award). It should be noted that scientists from developed countries are not eligible for such kind of support. Those interested should send an application letter and a Curriculum vitae by fax +39-06-90672470 or E-mail icm2003@milib.cnr.it ; mail subject: support for DC.

As the ICM2003 Conference is sponsored by the European Physical Society (EPS), the EPS provides through the East West Fund grants to individual physicist working in and originating from less favoured European countries. The rules for obtaining grants through the East West Fund by participants to an ESP Sponsored Conference can be found at <http://www.fzu.cz/varia/ewtf>.

Deadline for application is **April 30th 2003**

Technical Program

The technical program of ICM2003 will consist of contributed oral and poster presentations, invited plenary lectures, invited talks and symposia.

Contributed Papers

Authors are kindly requested NOT to submit an abstract unless expecting to attend ICM 2003 **without** financial support from the Conference. Note also that the presenting author **MUST** be a registered participant of the Conference. Papers presented by an author **who is not registered** will be NOT published in the Conference Proceedings.

Contributed papers accepted for the Conference will be presented either in oral or in poster form.

Oral presentations will be **13** minutes long followed by a **2**-minutes discussion. **Poster** presentations will consist of well-prepared visual materials about the work, posted on a designated 1.00 m (width) x 2.40 m (height) poster board, with the author available to present details and answer questions during the entire poster session.

Authors are requested to indicate their preference for oral or poster presentations in the appropriate box provided on the electronic form. Authors should consider that only a small fraction of submitted abstracts will be allocated in oral sessions. The Program Committee will make the final decision on the assignment of papers to sessions and the presentation format for each session. Authors will be notified of the type of session for their presentation in their notice of acceptance, which will also provide detailed instructions for an effective presentation.

Invited plenary lecturers will be selected among internationally reputed, highly experienced, charismatic scientists active in the field of magnetism. Plenary lectures will be **40**-minutes long, and will be followed by a **5**-minutes discussion.

Invited talks in parallel oral sessions will be either indicated by the international magnetism community, or selected on the basis of the content of a submitted abstract. Invited talks will be **25**-minutes long and will be followed by a **5**-minutes discussion.

The Magnetism Award

In the opening session of ICM2003, on Monday, July 28th, the IUPAP Commission on Magnetism will present the Magnetism Awards for 2003, in recognition of outstanding contributions to magnetism with emphasis on recent accomplishments, followed by plenary lectures delivered by the winners. The 2003 Winners are : G.Aeppli (UK), D.Awschalom (USA), H. Ohno (Japan)

ICM 2003 - SUBJECT CATEGORIES

- 1) **STRONGLY CORRELATED ELECTRON SYSTEMS**
 - a) Heavy fermions and Kondo insulators
 - b) Quantum phase transitions
 - c) Unconventional superconductivity
 - d) Metal-insulator transitions
 - e) Strongly correlated semiconductors and insulators
 - f) Low dimensionality, disorder and correlation in quantum systems
 - g) Itinerant magnetism
- 2) **DYNAMICS AND STATISTICAL MECHANICS**
 - a) Spin waves
 - b) Dynamic phenomena
 - c) Solitons and non-linear effects
 - d) Frustrated phase separation and critical phenomena
 - e) Long-range interactions
 - f) Disordered and frustrated systems: spin glasses and dilute magnetic systems
 - g) Low dimensionality quantum magnets
 - h) Magnetic coherence
 - i) Statistical mechanics of model systems
- 3) **SPIN GLASSES, RANDOM MAGNETS, DISORDERED MAGNETISM**
 - a) Spin glasses
 - b) Random systems
 - c) Amorphous materials
- 4) **SPIN ELECTRONICS AND MAGNETO-TRANSPORT**
 - a) Enhanced magneto-resistance (GMR and CMR)
 - b) Magneto-impedance
 - c) Hybrid memories and MRAMS
 - d) Spin valves
 - e) Magnetic tunnelling junctions
 - f) Magnetic semiconductors
 - g) Semiconductor spintronics
 - h) Transport in dilute and disordered systems
 - i) Superconductivity
- 5) **MAGNETIC STRUCTURE AND INTERACTIONS**
 - a) Crystal field and anisotropy
 - b) Electronic structure
 - c) Magneto-elastic interactions
 - d) Rare-earth systems
 - e) 5f systems
 - f) Interaction mechanism
 - g) Transition metal alloys and compounds
- 6) **SOFT AND HARD MAGNETIC MATERIALS**
 - a) Amorphous and nanocrystalline materials
 - b) Ferrites, garnets and microwave materials
 - c) Rare earth permanent magnets
 - d) Magnetisation processes and hysteresis
 - e) Materials for magnetic recording
 - f) Ferromagnetic shape-memory materials
 - g) Magneto-elastic and magnetostrictive materials
 - h) Fine particles
- 7) **COMPUTATIONAL MAGNETISM AND MODELLING**
 - a) Numerical methods
 - b) Micromagnetism
 - c) Hysteresis modelling
 - d) Monte Carlo simulations
- 8) **MAGNETISM OF NANOSCOPIC/MESOSCOPIC SYSTEMS**
 - a) Surfaces and interfaces
 - b) Films, multilayers and superlattices
 - c) Magnetic nanoparticles
 - d) Nanostructures
 - e) Quantum tunnelling
- 9) **ARTIFICIALLY STRUCTURED MATERIALS**
 - a) Patterned films
 - b) Nanoparticle arrays
 - c) Nanowires, nanotubes, nanodots
- 10) **MOLECULAR MAGNETISM**
 - a) Single molecule magnets
 - b) Low-dimensionality systems
 - c) Molecular metals and semiconductors
 - d) Organic and organo-metallic materials
 - e) Chiral magnetism and photomagnetism
 - f) Spin cross-over and level crossing
 - g) Quantum tunnelling
- 11) **TECHNIQUES**
 - a) Magnetic microscopy, imaging, holography
 - b) Magnetic dichroism
 - c) Synchrotron radiation
 - d) Neutron scattering and spectroscopy
 - e) NMR and muon spin rotation
 - f) Other magnetic resonances and Mossbauer effect
 - g) High pulsed fields
- 12) **SPECIFIC APPLICATIONS OF MAGNETISM**
 - a) Instruments and measuring techniques
 - b) Magnetic sensors
 - c) MEMS
 - d) Actuators and magnetic drives
 - e) Magnetic fluids
 - f) Magnetic and magneto-optical recording
 - g) Magnetic refrigeration
 - h) Magnetic separation
 - i) Magnetic levitation
- 13) **INTERDISCIPLINARY TOPICS**
 - a) Biomagnetism
 - b) Magnetism in medicine
 - c) Magnetism and cultural heritage
 - d) Magneto-electrochemistry

Calendar

Call for papers	November 1, 2002
Deadline for abstract submission	January 17, 2003
Acceptance/Rejection notice	March 9, 2003
Deadline for paper submission	April 15, 2003
Deadline for regular registration	May 15, 2003
ICM2003 (incorporating SCES'03)	July 27 - August 1, 2003

PROCEEDINGS

The proceedings of ICM 2003 will be published by Elsevier's Journal of Magnetism and Magnetic Materials in a CD form. ONLY FULL PAY REGISTRANTS will receive a free copy of the Proceedings. According to arrangements with Elsevier, they will also receive a password to allow free electronic access to the proceedings during one year. As in previous ICM conferences, only one contributed paper per registered participant will be published in the proceedings. This allows us to keep within the limit set by the Publisher. Only the papers presented at the Conference and accepted by the referees will be published. The deadline for the manuscript submission is **April 15, 2003**. Instructions for the manuscript submission procedure are available on the ICM web site at the page "Paper submission"

SOCIAL EVENTS

The **Welcome party** will be held on Sunday from 6:00 p.m. to 8:00 p.m. , in the beautiful Terrace of the Palazzo dei Congressi, where food, wine and soft drinks will be served. Don't miss this opportunity to register (4 p.m. - 8 p.m.) before the official beginning of the Conference and to meet people in an informal atmosphere.

The **Social dinner** will be held in the beautiful Palazzo Brancaccio on Wednesday, July 30th, 2003 from 8:00 p.m. to 11:30 p.m. Palazzo Brancaccio can be easily reached by METRO. The closest Metro Station, (Piazza Vittorio METRO STATION/ A-line), is at a walking distance. The party will start with a cocktail in the park, followed by the Italian-style dinner served in the magnificents halls. After dinner, the dessert will be served in the park. Music and dancing will follow. At the end of the party, you may return to the hotel on your own or by Conference shuttles (the service is included in the ticket). The last shuttle bus will leave Palazzo Brancaccio by no later than 12:00 p.m.

A dinner for a limited number of persons has been arranged, so please, register in advance if you don't want to miss this opportunity. The ticket is 60,00 EURO.

At the Tourist desk you will find all the information about the many **night events** of entertainment (concerts, exhibitions, open theater performances, etc.) scheduled every summer in Rome by the Municipality, for the famous "Estate Romana".

COFFEE/TEA BREAKS

Pastry and coffee, fancy cakes and tea will be served in the Exhibition area and in the back Hall each morning and afternoon, respectively, among the sessions (see the conference program for the time scheduled).

COMPANION PROGRAMS

Accompanying persons interested in **entering** the Congress Building, are kindly requested to register to the Conference. The registration fee is 50 EURO and this will allow you to follow the scientific sessions, and to participate to the Welcome Party held on Sunday, July 27, and to Coffee/Tea breaks during the week. Remember that, for safety reasons, people without the Conference badge will **not** be allowed to circulate inside the Conference building. If you are interested to register to the Conference, please, fill in the Registration Form found in the page Registration, otherwise you can register on-site at the Registration Desks.

A Tour program is available for all accompanying persons. You can register to the Tours either by filling in the Hotel/Tours Registration Form that can be downloaded from the Hotel Reservation page or on-site at the Registration Desks. We suggest you to make the reservation in advance, in order to be sure of the availability of the Tour.

Tours Program

Starting from Monday, July 28th, 2003, tours and night events are available:

A - Half-day tours (HDT)

B - Full-day tours (FDT)

C - Night events

At the Tourist desk in the Conference Building you will find all the information about the many events of entertainment (concerts, exhibitions, open theater performances, etc.) scheduled every summer in Rome by the Municipality, for the famous "Estate Romana".

Code	Itinerary	Departure*	Fee (per person in EURO)
HDT1	Imperial Rome	a.m.	36
HDT2	Rome of the Popes	a.m.	36
HDT3	A walk along the Appian way	a.m.	30
HDT	Ostia Antica	a.m.	30
FDT1	I Castelli	a.m.	65
FDT2	Villa Adriana e Villa D' Este	a.m.	65

Please, be aware that the above tours will be in ENGLISH and for a minimum of 12 persons. Entrance tickets and lunch are NOT include

EXHIBITS

An exhibition of equipment, materials, books will be held on both sides of the MAIN HALL as a part of ICM 2003 conference. Individuals or organizations interested in purchasing booth space are kindly asked to contact the Exhibition Manager Dr. Lucia Del Bianco at tel. +390690672338; FAX +390690672470 or E-mail (lucia.delbianco@mlib.cnr.it). At the page Exhibits of ICM 2003 web site, you will find all the information about the exhibition.

EXHIBIT HOURS

Monday, July 28, 2003; **Tuesday**, July 29, **Thursday**, July 31

8:30 a.m. – 1:00 p.m. and 2:00 p.m. – 6:30 p.m.

Wednesday, July 30

8:30 a.m. – 12:45 a.m.

Friday, August 1

8:30 a.m. – 1:00 p.m.

CONFERENCE PLENARY LECTURES AND SYMPOSIA

Plenary. Plenary lectures are planned during ICM 2003. Plenary lectures are intended to provide the audience with novel, updated information on some of the most exciting topics and of the rapidly developing areas of pure and applied magnetism. The very broad audience of ICM 2003 will be given the opportunity of getting valuable information, in concise form, about some of the most significant trends in modern magnetism. As usual for ICM, plenary lectures will be given by the winners of the IUPAP Magnetism Prize. The other three speakers have been chosen on the basis of their scientific reputation and clarity. They are listed in alphabetical order along with the titles of their lectures:

Plenary Lectures

Dante GATTESCHI	University of Florence- <i>Italy</i>	Molecular magnets, new opportunities in magnetism
Mark H. KRYDER	Seagate Research, Pittsburgh - <i>USA</i>	Physics, Materials and Prospects for Future Magnetic Storage Technologies
Sadamichi MAEKAWA	Tohoku University, Sendai - <i>Japan</i>	Spin Dependent Transport in Magnetic Nanostructures
IUPAP Prize Winners		
Gabriel AEPPLI	University College of London, <i>UK</i>	
David AWSCHALOM	UC Santa Barbara, <i>USA</i>	Manipulating Quantum Information with Semiconductor Spintronics
Hideo OHNO	Tohoku University, Sendai, <i>Japan</i>	Ferromagnetic Semiconductor Heterostructures

Invited Talks in parallel sessions

Name	Country	Title
K. BABERSCHKE	Germany	The magnetism of ultrathin trilayers: A playground to study fundamentals
B. BARBARA	France	Quantum dynamics of an ensemble of weakly interacting rare-earth ions: tunneling, co-tunneling and electro-nuclear entanglement
P. BRUNO	Germany	The Magnetic Casimir effect: a new challenge in nanomagnetism.
R. CACIUFFO	Italy	Resonant X-ray Scattering Studies of Multipolar Order in actinide dioxides
C. CARBONE	Italy	Investigation of magnetic nanostructures by X-ray circular dichroism
J.N. CHAPMAN	UK	Switching of small magnetic elements and element arrays
E.M. CHUDNOVSKY	USA	Generic mechanisms of decoherence of quantum oscillations in magnetic double-well systems
R. COWBURN	UK	Magnetic nanostructures for digital logic

T. DIETL	Poland	Spin order manipulations in nanostructures of ferromagnetic semiconductors
A. FERT	France	Magnetization reversal by spin transfer: experiments and theory
J. FIDLER	Austria	Micromagnetic modeling and magnetization processes
M. FIEBIG	Germany	Nonlinear optics - a powerful tool for the investigation of magnetic structures
A.FREEMAN	USA	Noncollinear magnetism phenomena induced at surfaces, interfaces, domain walls and in vortex cores of magnetic quantum dots
P. FREITAS	Portugal	MR Biochips
N. GARCIA	Spain	Ballistic Magnetoresistance in Electrodeposited Nanocontacts on Thin Wires and Thin Films
A. GRANOVSKY	Russia	Spin-dependent tunneling at infrared frequencies: magnetorefractive effect in magnetic nanocomposites
A. HERNANDO	Spain	Thermal induced wall motion due to magnetization fluctuations in random anistropy systems
Y.H. JEONG	Korea	Room temperature ferromagnetism in transition metal doped oxide semiconductors: a critical review
B. JOHANSSON	Sweden	To be confirmed
M. KLÄUI	UK	Magnetic properties of sub-100nm ring magnets
L. KRUSIN-ELBAUM	USA	Deroughening of a 1D Domain Wall in Ultrathin Magnetic Films by a Correlated Defect
A. LASCIALFARI	Italy	Spin dynamics at level crossings in molecular AF rings probed by NMR
C. LODDER	Netherlands	Probe recording on continuous Co(-Ni)/Pt multilayered magnetic thin films
M. LUBAN	USA	New issues in zero dimensions: Magnetic molecules
T. MAKAROVA	Russia	Magnetism in polymerized fullerenes
N. MUSHNIKOV	Russia	Physics of anisotropic itinerant 5f-electron metamagnets UCo _{1-x} TxAl (T = Fe, Ni)
J. NOGUES	Spain	Coercivity and squareness enhancement by ferromagnetic-antiferromagnetic exchange coupling
M.A. NOVAK	Brazil	Magnetic relaxation in molecular nanostructures
L. PANINA	UK	Magnetoimpedance in amorphous microwires and multifunctional applications: from sensors tunable artificial microwave materials
T.V. RAMAKRISHNAN	India	Theory of Manganites Exhibiting Colossal Magnetoresistance
I.K. SCHULLER	USA	Reversal in exchange biased systems
R. SKOMSKI	USA	Nanomagnetic Scaling
H. TAKAYAMA	Japan	Aging phenomena in spin glasses: theory experiment and simulation
J. TEJADA	Spain	Resonant experiments in magnetism: superradiance and magnetic spectroscopy
C. VITTORIA	Usa	Calculational study on exchange constants and electronic structure of manganese ferrite (MnFe ₂ O ₄)
R. VOLLMER	Germany	Spin-polarized electron energy loss spectroscopy: a method to measure magnon energies
W. WERNSDORFER	France	Quantum dynamics of exchange coupled Single Molecule Magnets
R. WIESENDANGER	Germany	Fundamental studies of magnetism down to the atomic scale: present status and future perspectives of spin-polarized scanning tunneling microscopy
S. KRAVCHENKO	USA	Metal-insulator transition and possible ferromagnetic instability in 2D
B. LAKE	UK	Field induced antiferromagnetism in the cuprate high T _c superconductor La _{2-x} Sr _x CuO ₄
Z.X. SHEN	USA	ARPES Study of Cuprate Superconductors
S. UCHIDA	Japan	Inhomogeneity and pair breaking in high T _c cuprates seen by c-axis optical spectrum
Y. MURAKAMI	Japan	Resonant elastic and inelastic X-ray scattering from orbitally ordered systems

Symposia

Four symposia on specific, attractive topics will take place during ICM 2003. In each of them, a team of distinguished scientists co-ordinated by a chairperson (a prominent scientist who will introduce and conclude the symposium) will discuss in detail the most recent achievements on particularly significant fields of pure and applied magnetism. Following a tradition of ICM' s, one of such symposia is attributed to the incorporated SCES.

Invited Talks in Symposia

Biomagnetics / Medical Applications

Chairman: Shoogo **UENO** - *University of Tokyo* - Japan

Speakers	Title
T. Matsunaga - Japan	Biomagnetic mineralization: from gene structures to medical applications
E. Mayes - UK	Biologically derived nanomagnets.
R.T. Tranquillo - USA	Magnetic Orientation and Control of Cells for Tissue Engineering.

Fast Dynamics

Chairman: Burkard **HILLEBRANDS** - *University of Kaiserslautern* - Germany

Speakers	Title
W. Koopmans - NL	The secrets of femtosecond magnetization dynamics.
J. Militat - France	A Micromagnetic Picture of Spin Transfer.
P. A. Crowell - USA	Imaging Spin Dynamics in Closure Domain and Vortex Structures.

Spin manipulation in Semiconductors

Chairman: David D. **AWSCHALOM** - *University of California* - Santa Barbara - USA

Speakers	Title
H. Ohno - Japan	Properties and manipulation of ferromagnetism in III-V semiconductors
D. Loss - Switzerland	Spin-based Quantum Computing in Nanostructures.
L. Sham - USA	Theory of control of electron spin dynamics in semiconductor heterostructures

Non-Fermi-Liquid Phenomena

Chairman: Alexei **TSVELIK** - *Brookhaven* – USA

Speakers	Title
J. Flouquet - France	Pressure and magnetic field scans through heavy fermion quantum critical points
G.G. Lonzarich - UK	NFL effects in d- and f-electron metals
F. S. Paschen - Germany	Break-up of the heavy electron at an AF-QCP: YbRh ₂ Si ₂

COMPUTER BASED PRESENTATION

Computer based presentation will be possible for oral presentations. If you wish to present your talk using this capability, please bring your own laptop computer, and have it **powered on** and ready to be connected. Furthermore, you are kindly requested to present at least 15 minutes before your talk time. You will be responsible for promptly connecting to the projector. The presentation timer will begin immediately after the introduction by the session chair, and there will not be time to reboot your computer. You are therefore strongly encouraged **to bring transparencies** as a backup and to test your laptop connections to the projectors in the speaker practise room.

Anyway, technical support will be provided by the Organization. Further details about technical aspects will be mailed to speakers by the Conference Secretariat.

SPEAKERS PRACTICE ROOM

One Room (the Room number will be communicated in due time) will be available to speakers who want to practice their presentations. Audiovisual equipment will be available for authors to use from 8:00 a.m. – 5:00 p.m., on Monday, Tuesday and Thursday and from 8:00 a.m. – 1:00 p.m. on Wednesday and Friday.

Each speaker must bring and use her/his personal computer for practice and in making the presentation.

PUBLICATION ROOM

Author can check the status of their manuscript in the Publication Room, (The Room number will be communicated in due time). The status of all papers will be posted outside the Room for easy access, and authors can periodically check on their individual papers. All Editors will be available from 8:30 - 9:00 a.m. each morning, with additional hours as posted by the individual Editor. The Publication Room will be open and staffed as follows:

Monday, Tuesday, Thursday	8:30 a.m. – 5 p.m.
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ACCOMPANYING PERSONS

Accompanying persons interested **in entering** the Congress Building, are kindly requested to register to the Conference. The registration fee is 50 EURO and this will allow you to follow the scientific sessions, and to participate to the Welcome Party held on Sunday, July 27, and to Coffee/Tea breaks during the week.

Remember that, for safety reasons, people without the Conference badge will not be allowed to circulate inside the Conference building.

For the registration to the Conference, please, fill in the Registration Form found in the ICM Web site, or please register on-site at the Registration Desks.

A Tour program is available for all accompanying persons. You can register to the Tours either on-site at the Registration Desks or by filling in the Hotel/Tours Registration Form that can be downloaded from the Hotel Reservation page. All information about Tours can be found in the page Companion program of the ICM site.

POSTERS SESSIONS

For the day-by-day schedule of the Posters Session, please consult the Conference Program Page, where updated information will be available. Authors are reminded to remove all of their materials promptly at the end of their session. **Materials not removed at the end of each session will be discarded immediately**, in order to prepare for the next session.

ADDITIONAL CONFERENCE INFORMATION

To receive additional information, to be added to the Conference mailing List, or to update your mailing address, please contact **Mrs. G. Ianni** ISM-CNR Area della Ricerca, P.O.Box 10 00016 Monterotondo Scalo (Roma) Italy; Tel. +39-06-90672285/360 FAX +39-06-90672470; E-mail icm2003@milib.cnr.it. The latest information on ICM 2003 can be found on the WEB at the address: <http://www.icm2003.milib.cnr.it> .

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