

# ICM 2003 - PROGRAM

## SUNDAY, July 27, 2003

PM	04:00	CONFERENCE REGISTRATION		
			06:00	WELCOME RECEPTION
	08:00		08:00	

## MONDAY, July 28, 2003

MORNING		PLENARY HALL	AULA MAGNA	LEONARDO	GALILEO
	09:00	OPENING CEREMONY	-	-	-
	09:30	D. AWSCHALOM			
	10:00	G. AEPPLI			
	10:30	COFFEE BREAK			
	11:00	H. OHNO			
		1-A Magnetism in oxides and other compounds			
	11:30	R. Lizarraga	M. Muenzenberg	R.Wiesendanger	E. Quandt
	11:45	P. Schlottman	A.T. Boothroyd		M.A. Marioni
	12:00	V.L. Joy	S.O. Demokritov	A. Barman	V. Koledov
	12:15	Y. Kaneko	M. Matsumoto	P. Fischer	J. Moreland
	12:30	C. Boekema	P. Candeloro	E. Snoeck	T. Budde
	12:45	M. Guillot	J.P. Park	R. Schäfer	I. Suorsa
	01:00	LUNCH			
02:30					

AFTERNOON	02:30	D. GATTESCHI	-	-	-
	03:15 POSTER SESSIONS	1-Ppm Spin waves & dynamic phenomena			Area G
		1-Qpm Heavy fermions and Kondo insulators I			Area I
		1-Rpm Transition metal alloys and compounds I			Area D
		1-Spm Molecular magnetism (systems) I			Area A
		1-Tpm Magneto-elastic, magnetostrictive and shape-memory materials			Area H
		1-Upm Rare earth systems I			Area B
		1-Vpm Enhanced magneto-resistance (GMR and CMR) I			Area C
		1- Wpm Films, multilayers and superlattices I			Area J
		1-Xpm Applications I			Area F
		1-Ypm Techniques I (optical)			Area E
	04:45	[04:15- 04:45: Tea break]			
		1-E Enhanced magnetoresistance I (GMR and CMR)	1-F Rare earths and actinides I	1-G Intermetallics and metal magnetism	1-H Statistical mechanics, phase transitions and critical phenomena
	04:45	A. Fert	T. Gasche	T. Uchida	S.F. Fischer
	05:00		T. Shiroka	M. Acet	G.M. Buendia
	05:15	J. Inoue	A. Stunault	O.S. Anilturk	H. Takayama
	05:30	R. Lardé	H. Ishii	S.M. Dubiel	
	05:45	S.M. Thompson	F. Canepa	A.R. Wildes	O. Chubykalo
	06:00	G. Martinez	A.V. Andrianov	H.R. Rechenberg	C.D. Ling
06:15	E. Lahderanta	Y. Makiyara	I. Popa	V. Repain	

# TUESDAY, July 29, 2003

MORNING		PLENARY HALL	AULA MAGNA	LEONARDO	GALILEO
		2-SY Symposium: Non-Fermi-Liquid Phenomena	2-B Quantum tunnelling and quantum oscillations	2-C Enhanced magnetoresistance II (CMR)	2-D Disordered and frustrated systems
	09:00	A. TSVELIK J. Flouquet G.G. Lonzarich S. Paschen	B. Barbara	A. Daoud-Aladine	J. Hammann
	09:15			X.L. Wang	H. Kawamura
	09:30		K. Awaga	T.V. Ramakrishnan	D. Herisson
	09:45		J.J. Alonso		S. Coutinho
	10:00		E.M. Chudnovsky	C. Simon	S. Kobe
	10:15			D. Fuchs	M. Alava
	10:30		A. Morello	J.G. Lin	B.D. Gaulin
	10:45		Y. Furukawa	R. Suryanarayan	S.M. Yusuf
POSTER SESSIONS	11:00	2-Pam Unconventional superconductivity I			Area F
		2-Qam Disorder, frustration, long-range interactions			Area C
		2-Ram Interaction mechanism			Area J
		2-Sam Crystal field and anisotropy			Area D
		2-Tam Spin glasses			Area A
		2-Uam Transport in dilute, disordered and superconducting systems			Area H
		2-Vam Rare earth III and 5f systems			Area B
		2-Wam Ferrites, garnets and microwave materials I			Area E
		2-Xam Films, multilayers and superlattices II			Area I
		2-Yam Techniques II (resonances and pulsed fields)			Area G
	12:30	[11.00- 11.30: Coffee break]			
	12:30	LUNCH			
	02:00				
AFTERNOON	02:00	M. KRYDER	-	-	-
	02:45	2-Ppm Heavy fermions and Kondo insulators II			Area G
		2-Qpm Model systems, solitons, magnetic coherence			Area J
		2-Rpm Itinerant magnetism			Area A
		2-Spm Quantum phase transitions			Area B
		2-Tpm Electronic structure			Area C
		2-Upm Transition metal alloys and compounds II			Area I
		2-Vpm Nanoparticles and quantum tunnelling			Area F
		2-Wpm Amorphous and random systems			Area D
		2-Xpm Enhanced magneto-resistance (GMR and CMR) II			Area E
		2-Ypm Artificially structured materials I			Area H
	04:15	[03:45 – 04:15: Tea break]			
		2-E SCES I - High temperature superconductivity	2-F Surfaces, films and multilayers I	2-G Organic and molecular magnets I	2-H Electronic structure and magnetic interactions I
	04:15	Z.X. Shen	A. Moser	M.A. Novak	P. Bruno
	04:30		H. Kumigashira		
	04:45	S. Uchida	A.J. Freeman	M. Ruben	L.F. Chibotaru
	05:00			K.M. Mertes	S. Khmelevskyi
	05:15	B. Lake	J. Ferré	C. Schröder	X. Zuo
	05:30		H. Luetkens	M. Evangelisti	
	05:45	S. Caprara	K. Baberschke	H.B. Heersche	P. Pouloupoulos
	06:00	F.C. Zhang		L. Zobbi	E. Goering
	06:15	L. Capriotti	H. Kato	T. Kubo	F. Bartolome

# WEDNESDAY, July 30, 2003

		PLENARY HALL	AULA MAGNA	LEONARDO	GALILEO
		3-A Rare earths and actinides II	3-B Low dimensional systems	3-C Exchange bias	3-D Nanostructured and nanopatterned magnetorecording media
MORNING	09:00	H. Kronmuller	M. Luban	I.K. Schuller	J.C. Lodder
	09:15	D. Hinz			
	09:30	R. Caciuffo	T.C. Kobayashi	S.M. Rezende	S. Nakagawa
	09:45		S. Eggert	C. Binek	G. Zangari
	10:00	J.A. Morkowski	R. Coldea	W.T. Lee	M. El-Hilo
	10:15	A.K. Nigam	R. Vaia	H. Kepa	K. Gusliencko
	10:30	E. Colineau	T. Ito	D. Aernout	S. Takei
	10:45	COFFEE BREAK			
	11:15				
		3-SY Symposium: Fast magnetization dynamics	3-F SCES II - Superconductivity, magnetism and disorder in quantum criticality	3-G Artificially structured systems and self-assembled nanostructures	3-H Amorphous and Nanocrystalline Materials I
	11:15	B. HILLEBRANDS W. Koopmans P.A. Crowell J. Miltat	S.V. Kravchenko	R.P. Cowburn	A. Hernando
	11:30		M. Fabrizio	C. Ross	V.V. Tugushev
	11:45		A.D. Huxley	B. Gurovich	F. Hellman
	12:00		N. Harrison	M. Kläui	A. Michels
	12:15		E. Pugh		A. Narayanasamy
	12:30		V. Zlatic		G.J. Tomka
	12:45		N.L. Saini	R. Zivieri	P. Crespo
	01:00		J.L. Sarrao	O. Kazakova	L.K. Varga
	01:15	-			
	01:30	LUNCH			
	03:00				
PM	08:00	SOCIAL DINNER			
	12:00				

# THURSDAY, July 31, 2003

MORNING		PLENARY HALL	AULA MAGNA	LEONARDO	GALILEO
		4-SY Symposium: Biomagnetics/ Medical Applications	4-B SCES III - Phase separation and quantum fluctuations	4-C Organic and molecular magnets II	4-D Advanced resonance and spectroscopy techniques
	09:00	S. UENO T. Matsunaga E. Mayes R.T. Tranquillo	Y.Murakami	W. Wernsdorfer	J. Tejada
	09:15				
	09:30		J.C. Loudon	A. Lascialfari	R. Vollmer
	09:45		E. Dagotto		
	10:00			F. Palacio	S.I. Tarapov
	10:15		T. Pruschke	D. Arcon	T. Kohara
	10:30		H. von Loehneysen	M. Affronte	A. Joffe
	10:45		M. Takigawa	T. Nakamura	M.B. Shevchenko
	11:00	4-Pam	Magnetic semiconductors I		Area E
	POSTER SESSIONS	4-Qam	Artificially structured materials II		Area G
		4-Ram	Amorphous and nanocrystalline materials I		Area J
		4-Sam	Low dimensionality, disorder and correlation in quantum systems I		Area B
4-Tam		Films, multilayers and superlattices III		Area C	
4-Uam		Rare earth systems II		Area A	
4-Vam		Unconventional superconductivity II		Area F	
4-Wam		Metal-insulator transitions I		Area H	
4-Xam		Magnetic nanoparticles I		Area D	
4-Yam		Transition metal alloys and compounds III		Area I	
12:30		[11:00- 11:30: Coffee break]			
12:30	LUNCH				
02:00					
AFTERNOON	02:00	S. MAEKAWA	-	-	-
	02:45	4-Ppm	Low dimensionality quantum magnets		Area H
	POSTER SESSIONS	4-Qpm	Nanostructures		Area A
		4-Rpm	Enhanced magnetoresistance (GMR and CMR) III		Area G
		4-Spm	Molecular magnetism (systems) II		Area D
		4-Tpm	Numerical methods and Monte-carlo simulations		Area J
		4-Upm	Applications II		Area B
		4-Vpm	Surfaces and interfaces		Area F
		4-Wpm	Ferrites, garnets and microwave materials II		Area E
		4-Xpm	Magnetic tunnelling junctions I		Area I
		4-Ypm	Heavy fermions and Kondo insulators III		Area C
		04:15	[03:45 – 04:15: Tea break]		
		4-E Enhanced magnetoresistance III (GMR and CMR)	4-F Nanostructures and magnetic nanoparticles I	4-G Electronic structure and magnetic interactions II	4-H Magnetic semiconductors
	04:15	Freitas	D. Kechrachos	N. Magnani	V. Dedieu
	04:30		E. Tronc	M. Sob	V. Fleurov
	04:45	T. Ono	R. Skomski	B. Johansson	T. Dietl
	05:00	J.M. De Teresa			
	05:15	N. Garcia	P. Tiberto	G. Petrakovskii	H. Jaffrès
	05:30		J.B. Kortright	M. Colarieti Tosti	M.N. Leuenberger
05:45	R. Sabirianov	K. Guslienko	N.V. Mushnikov	Y.H. Jeong	
06:00	J. Itoh	L. Theil Kuhn			
06:15	J. Fontcuberta	M. Kammel	K. Mitzoguchi	A. Brataas	

# FRIDAY, August 1, 2003

MORNING		PLENARY HALL	AULA MAGNA	LEONARDO	GALILEO
		5-SY Symposium: Spin Manipulation in Semiconductors	5-B Amorphous and nanocrystalline materials II	5-C Magnetic tunnel junctions	5-D Magnetoelasticity
	09:00	D.AWSCHALOM H. Ohno D. Loss L. Sham	L.V. Panina	J.S. Moodera	M. Komelj
	09:15			M. Bowen	Z. Arnold
	09:30		P. Ciureanu	H. Itoh	M. Ciria
	09:45		J.P. Sinnecker	V. Korenivski	P.A. De Groot
	10:00		V. Raposo	S.K. Clowes	A.A. Kovalev
	10:15		G. Suran	M. Bibes	D. Jiles
	10:30		T. Kulik	S. Yuasa	J. Marcos Ruzafa
	10:45		N. Murillo	H. Koop	N.H. Duc
POSTER SESSIONS	11:00	5-Pam Micromagnetism and hysteresis modeling			Area H
		5-Qam Magnetisation processes and experimental hysteresis			Area G
		5-Ram Amorphous and nanocrystalline materials II			Area D
		5-Sam Magnetic nanoparticles II			Area A
		5-Tam Films, multilayers and superlattices IV			Area F
		5-Uam Magnetic semiconductors II			Area I
		5-Vam Magnetic tunnelling junctions II			Area J
		5-Wam Metal-insulator transitions II			Area C
		5-Xam Materials for magnetic recording			Area E
		5-Yam Low dimensionality, disorder and correlation in quantum systems II			Area B
	12:30	[11:00- 11:30: Coffee break]			
	12:30	LUNCH			
	02:00				
AFTERNOON	02:00	5-Ppm Rare-earth permanent magnets			Area A
		5-Qpm Molecular magnetism (phenomena)			Area G
		5-Rpm Films, multilayers and superlattices V			Area B
		5-Spm Magneto-impedance			Area D
		5-Tpm Hybrid memories, MRAMS, spin valves, spintronics			Area C
		5-Upm Strongly correlated semiconductors and insulators			Area F
		5-Vpm Nanocrystalline and fine-particle materials			Area J
		5-Wpm Interdisciplinary			Area I
		5-Xpm Applications III			Area H
	03:30	[03:00- 03:30: Tea break]			
		5-E Surfaces, films and multilayers II	5-F Nanostructures and magnetic nanoparticles II	5-G Micromagnetic modeling and magnetization	5-H Advanced magneto-optical effects and dichroism
	03:30	L.Krusin Elbaum	J. Nogués	J.N. Chapman	A.B. Granovsky
	03:45				
	04:00	C. Carbone	T.L. Makarova	J. Fidler	M. Fiebig
	04:15				
	04:30	S.L. Molodtsov	D. Buntinx	O. Gutfleisch	C. L'abbe
	04:45	G.S. Beach	A.S. Sachrajda	M. Solzi	P. Ferriani
	05:00	J.M. Gallego	K. Ono	R.M. Roshko	G. Srajer
	05:15	A.Y. Petrov	F. Luis	C. Serpico	P.M. Oppeneer
	05:30	A. Vartelaus	V.I. Stepanov	R. Hertel	N. Jaouen
	05:45	CONCLUDING REMARKS			