

ICM 2003 - PROGRAM

SUNDAY, July 27, 2003

PM	04:00	CONFERENCE REGISTRATION	
	08:00		WELCOME RECEPTION

MONDAY, July 28, 2003

		PLENARY HALL	AULA MAGNA	AULA LEONARDO	AULA GALILEO	
MORNING	09:00	OPENING CEREMONY	-	-	-	
	09:30	D. AWSCHALOM				
	10:00	G. AEPPLI				
	10:30	<i>COFFEE BREAK</i>				
	11:00	H. OHNO				
		1-A Magnetism in oxides and other compounds <i>Chair: J.A. Morkowski R. Ibarra</i>	1-B Spin dynamics and relaxation <i>Chair: H. Takayama M. Greven</i>	1-C Magnetic microscopy and imaging <i>Chair: G. Pozzi G. Mikhailov</i>	1-D Magnetic sensors and actuators <i>Chair: H. Chiriac A. Hernando</i>	
	11:30	R. Lizarraga	M. Muenzenberg	R. Wiesendanger	E. Quandt	
	11:45	P. Schlottman	A.T. Boothroyd		M.A. Marioni	
	12:00	M. Schneider	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	<i>LUNCH</i>					
AFTERNOON	02:30	D. GATTESCHI	-	-	-	
	03:15	1-Ppm Spin waves & dynamic phenomena		<i>Chair: R. Caciuffo</i>	Area G	
	POSTER SESSIONS <i>Chair: R. Caciuffo</i>	1-Qpm Heavy fermions and Kondo insulators I		<i>Chair: A. Cuccoli</i>	Area I	
		1-Rpm Transition metal alloys and compounds I		<i>Chair: C. Beatrice</i>	Area D	
		1-Spm Molecular magnetism (systems) I		<i>Chair: C. Beatrice</i>	Area A	
		1-Tpm Magneto-elastic, magnetostrictive and shape-memory materials		<i>Chair: F. Ronconi</i>	Area H	
		1-Upm Rare earth systems I		<i>Chair: F. Albertini</i>	Area B	
		1-Vpm Enhanced magneto-resistance (GMR and CMR) I		<i>Chair: A.M. Testa</i>	Area C	
		1-Wpm Films, multilayers and superlattices I		<i>Chair: A. Cuccoli</i>	Area J	
		1-Xpm Applications I		<i>Chair: A.M. Testa</i>	Area F	
		1-Ypm Techniques I (optical)		<i>Chair: F. Albertini</i>	Area E	
	04:45	<i>[04:15- 04:45: Tea break]</i>				
		1-E Enhanced magnetoresistance I (GMR and CMR) <i>Chair: J. Fontcuberta L. Pareti</i>	1-F Rare earths and actinides I <i>Chair: K.A. McEwen R. Caciuffo</i>	1-G Intermetallics and metal magnetism <i>Chair: V. Sechovsky A. Paoluzi</i>	1-H Statistical mechanics, phase transitions and critical phenomena <i>Chair: E.M. Chudnovsky F. Borsa</i>	
	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. Makihara	I. Popa	V. Repain		

TUESDAY, July 29, 2003

		PLENARY HALL	AULA MAGNA	AULA LEONARDO	AULA GALILEO	
		2-SY Symposium: Non-Fermi-Liquid Phenomena Chair: <i>A. Tsvelik</i>	2-B Quantum tunnelling and quantum oscillations Chair: <i>J. Tejada</i> <i>D. Loss</i>	2-C Enhanced magnetoresistance II Chair: <i>L. Panina</i> <i>N. Garcia</i>	2-D Disordered and frustrated systems Chair: <i>J.L. Tholence</i> <i>M.A. Continentino</i>	
MORNING	09:00	A. TSVELIK J. Flouquet G.G. Lonzarich S. Paschen	B. Barbara	A. Daoud-Aladine	J. Hammann	
	09:15		K. Awaga	H. Kuwahara	H. Kawamura	
	09:30		J.J. Alonso	A. Zhukov	D. Herisson	
	09:45		E.M. Chudnovsky	M. Mizuguchi	S. Coutinho	
	10:00		A. Morello	C. Simon	S. Kobe	
	10:15		Y. Furukawa	D. Fuchs	M. Alava	
	10:30			J.G. Lin	B.D. Gaulin	
	10:45			R. Suryanarayan	S.M. Yusuf	
11:00	2-Pam Unconventional superconductivity I	Chair: <i>P. Carretta</i>		Area F		
POSTER SESSIONS	Chair: <i>G. Turilli</i>	2-Qam Disorder, frustration, long-range interactions	Chair: <i>P. Carretta</i>		Area C	
		2-Ram Interaction mechanism	Chair: <i>G. Turilli</i>		Area J	
		2-Sam Crystal field and anisotropy	Chair: <i>G. Buttinio</i>		Area D	
		2-Tam Spin glasses	Chair: <i>G. Buttinio</i>		Area A	
		2-Uam Transport in dilute, disordered and superconducting systems	Chair: <i>F. D'Orazio</i>		Area H	
		2-Vam Rare earth III and 5f systems	Chair: <i>D. Bisero</i>		Area B	
		2-Wam Ferrites, garnets and microwave materials I	Chair: <i>D. Bisero</i>		Area E	
		2-Xam Films, multilayers and superlattices II	Chair: <i>G. Turilli</i>		Area I	
		2-Yam Techniques II (resonances and pulsed fields)	Chair: <i>F. D'Orazio</i>		Area G	
		12:30	[11.00- 11.30: Coffee break]			
12:30	LUNCH					
AFTERNOON	02:00	M. KRYDER	-	-	-	
	02:45	2-Ppm Heavy fermions and Kondo insulators II	Chair: <i>F. Lucari</i>		Area G	
	POSTER SESSIONS	Chair: <i>F. Lucari</i>	2-Qpm Model systems, solitons, magnetic coherence	Chair: <i>P. Vavassori</i>		Area J
			2-Rpm Itinerant magnetism	Chair: <i>O. Donzelli</i>		Area A
			2-Spm Quantum phase transitions	Chair: <i>A. Continenza</i>		Area B
			2-Tpm Electronic structure	Chair: <i>A. Cecchetti</i>		Area C
			2-Upm Transition metal alloys and compounds II	Chair: <i>P. Vavassori</i>		Area I
			2-Vpm Nanoparticles and quantum tunnelling	Chair: <i>A. Cecchetti</i>		Area F
			2-Wpm Amorphous and random systems	Chair: <i>O. Donzelli</i>		Area D
			2-Xpm Enhanced magneto-resistance (GMR and CMR) II	Chair: <i>A. Continenza</i>		Area E
			2-Ypm Artificially structured materials I	Chair: <i>F. Lucari</i>		Area H
			04:15	[03:45 – 04:15: Tea break]		
		2-E SCES I - High temperature superconductivity Chair: <i>S. Paschen</i> <i>M. Grilli</i>	2-F Surfaces, films and multilayers I Chair: <i>S. Rezende</i> <i>F. Nizzoli</i>	2-G Organic and molecular magnets I Chair: <i>F. Palacio</i> <i>M. Affronte</i>	2-H Electronic structure and magnetic interactions I Chair: <i>A.V. Andreev</i> <i>H. Kronmuller</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	C. Vittoria		
05:30		H. Luetkens	M. Evangelisti			
05:45	S. Caprara	K. Baberschke	H.B. Heersche	P. Pouloupoulos		
06:00	J. Lorenzana		L. Zobbi	E. Goering		
06:15	L. Capriotti		A.Y. Petrov	T. Kubo	F. Bartolome	

WEDNESDAY, July 30, 2003

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

THURSDAY, July 31, 2003

		PLENARY HALL	AULA MAGNA	AULA LEONARDO	AULA GALILEO	
MORNING		4-SY Symposium: Biomagnetics/ Medical Applications Chair: <i>S. Ueno</i>	4-B SCES III - Phase separation and quantum fluctuations Chair: <i>J. Lorenzana</i> <i>G.G. Lonzarich</i>	4-C Organic and molecular magnets II Chair: <i>T. Goto</i> <i>A. Keren</i>	4-D Advanced resonance and spectroscopy techniques Chair: <i>J.C. Seamus David</i> <i>A. Rigamonti</i>	
	09:00	S. UENO T. Matsunaga E. Mayes R. Wirix-Speetjens	Y. Murakami	W. Wernsdorfer	S.I. Tarapov	
	09:15				T. Kohara	
	09:30		J.C. Loudon	A. Lascialfari	R. Vollmer	
	09:45		E. Dagotto			
	10:00		F. Palacio	J. Tejada		
	10:15		T. Pruschke			
	10:30		H. von Loehneysen		A. Ioffe	
	10:45		M. Takigawa	T. Nakamura	M.B. Shevchenko	
	11:00	4-Pam Magnetic semiconductors I		Chair: <i>M. Ghidini</i>	Area E	
POSTER SESSIONS Chair: <i>F. Vinai</i>	4-Qam Artificially structured materials II			Chair: <i>F. Vinai</i>	Area G	
	4-Ram Amorphous and nanocrystalline materials I			Chair: <i>V. Basso</i>	Area J	
	4-Sam Low dimensionality, disorder and correlation in quantum systems I			Chair: <i>M. Ghidini</i>	Area B	
	4-Tam Films, multilayers and superlattices III			Chair: <i>I. Bergenti</i>	Area C	
	4-Uam Rare earth systems II			Chair: <i>L. Del Bianco</i>	Area A	
	4-Vam Unconventional superconductivity II			Chair: <i>I. Bergenti</i>	Area F	
	4-Wam Metal-insulator transitions I			Chair: <i>F. Vinai</i>	Area H	
	4-Xam Magnetic nanoparticles I			Chair: <i>L. Del Bianco</i>	Area D	
	4-Yam Transition metal alloys and compounds III			Chair: <i>V. Basso</i>	Area I	
	12:30	[11:00- 11:30: Coffee break]				
12:30	LUNCH					
AFTERNOON	02:00	S. MAEKAWA	-	-	-	
	POSTER SESSIONS Chair: <i>G. Bottoni</i>	02:45	4-Ppm Low dimensionality quantum magnets		Chair: <i>G. Bottoni</i>	Area H
		4-Qpm Nanostructures			Chair: <i>E. Rastelli</i>	Area A
		4-Rpm Enhanced magnetoresistance (GMR and CMR) III			Chair: <i>G. Bottoni</i>	Area G
		4-Spm Molecular magnetism (systems) II			Chair: <i>E. Rastelli</i>	Area D
		4-Tpm Numerical methods and Monte-carlo simulations			Chair: <i>F. Spizzo</i>	Area J
		4-Upm Applications II			Chair: <i>M. Solzi</i>	Area B
		4-Vpm Surfaces and interfaces			Chair: <i>C. Mazzoli</i>	Area F
		4-Wpm Ferrites, garnets and microwave materials II			Chair: <i>M. Solzi</i>	Area E
		4-Xpm Magnetic tunnelling junctions I			Chair: <i>F. Spizzo</i>	Area I
		4-Ypm Heavy fermions and Kondo insulators III			Chair: <i>C. Mazzoli</i>	Area C
	04:15	[03:45 – 04:15: Tea break]				
		4-E Enhanced magnetoresistance III (GMR and CMR) Chair: <i>A.B. Granovsky</i> <i>A. Berkowitz</i>	4-F Nanostructures and magnetic nanoparticles I Chair: <i>K. O'Grady</i> <i>C. Ross</i>	4-G Electronic structure and magnetic interactions II Chair: <i>J.C. Slonkowski</i> <i>P. Bruno</i>	4-H Magnetic semiconductors Chair: <i>J. Kossut</i> <i>F. Lucari</i>	
	04:15	P. Freitas	D. Kechrakos	N. Magnani	M. Poggio	
	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. Jaffres		
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. Mizoguchi	A. Brataas		
06:30	-	-	-	A. Continenza		

FRIDAY, August 1, 2003

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