

# WEDNESDAY, July 30, 2003

Time	Session title	Author name	Initial	TITLE	Session number	LOCATION
09:00AM-09:15AM	<b>3-A-Rare earths and -actinides II - Chair: B. Johansson E. Baggio Saitovitch</b>	Kronmuller	H	Modern Nanocrystalline and Nanostructured Hard Magnetic Materials	3A1	PLENARY HALL
09:15AM-09:30AM		Hinz	D.	Hot deformed (Nd,Pr)(Fe,Co)B magnets for low temperature applications	3A2	PLENARY HALL
09:30AM-10:00AM		CACIUFFO	R.	RESONANT X-RAY SCATTERING STUDIES OF MULTIPOLAR ORDER IN ACTINIDE DIOXIDES.	3A3	PLENARY HALL
10:00AM-10:15AM		Morkowski	J.A.	MAGNETIC SUSCEPTIBILITY, TRANSPORT PROPERTIES, XPS AND ELECTRONIC STRUCTURE OF UCoGa5	3A4	PLENARY HALL
10:15AM-10:30AM		Nigam	A.K.	MULTIPLE MAGNETIC PHASE TRANSITIONS IN Upd2Ge2.	3A5	PLENARY HALL
10:30AM-10:45AM		Colineau	E.	MAGNETIC BEHAVIOUR OF NpRhGe AND PuRhGe	3A6	PLENARY HALL
09:00AM-09:30AM	<b>3-B-Low dimensional -systems - Chair: H.J. Mikeska A. Vaterlaus</b>	LUBAN	M.	NEW ISSUES IN ZERO DIMENSIONS: MAGNETIC MOLECULES	3B1	AULA MAGNA
09:30AM-09:45AM		Kobayashi	T. C.	MAGNETISM OF A ONE-DIMENSIONAL ARRAY OF OXYGEN IN A MICRO-POROUS METAL-ORGANIC SOLID	3B2	AULA MAGNA
09:45AM-10:00AM		Eggert	S.	MAGNETIC ORDER AND MOMENT DISTRIBUTION IN DOPED SPIN-CHAIN SYSTEMS	3B3	AULA MAGNA
10:00AM-10:15AM		Coldea	R.	NEUTRON SCATTERING FROM DECONFINED SPINONS IN THE 2D FRUSTRATED QUANTUM MAGNET Cs2CuCl4	3B4	AULA MAGNA
10:15AM-10:30AM		Vaia	R.	SIGNATURES OF XY BEHAVIOUR IN 2D WEAKLY ANISOTROPIC ANTIFERROMAGNETS	3B5	AULA MAGNA
10:30AM-10:45AM		Ito	T.	NOVEL MAGNETIC-FIELD-INDUCED QUANTUM PHASE TRANSITION IN IMPURITY-DOPED HALDANE-GAP SYSTEM Y2BaNiO5.	3B6	AULA MAGNA
09:00AM-09:15AM	<b>3-C-Exchange bias - Chair : D. Givord G. Hadjipanayis</b>	Rezende	S.M.	EXPERIMENTAL TEST OF MACROSCOPIC MODELS FOR EXCHANGE ANISOTROPY IN AF/FM BILAYERS	3C2	AULA LEONARDO
09:15AM-09:30AM		Binek	Ch.	Extrinsic control of the exchange bias	3C3	AULA LEONARDO
09:30AM-10:00AM		SCHULLER	I.K.	STRUCTURE, REVERSAL AND EXCHANGE BIAS IN FERROMAGNETIC-ANTIFERROMAGNETIC BILAYERS	3C1	AULA LEONARDO
10:00AM-10:15AM		Felcher	G.P.	MAGNETIC COUPLING ACROSS AN EXCHANGE COUPLED ANTIFERROMAGNETIC LAYER	3C4	AULA LEONARDO
10:15AM-10:30AM		Kepa	H	ANTIFERROMAGNETIC INTERLAYER COUPLING IN EuS/YbSe SUPERLATTICES	3C5	AULA LEONARDO
10:30AM-10:45AM		Aernout	D.	HYPERFINE INTERACTION AND MAGNETIZATION STUDY OF BIQUADRATICALLY COUPLED FE/CR TRILAYERS.	3C6	AULA LEONARDO
09:00AM-09:30AM	<b>3-D</b>	LODDER	J.C.	PATTERNED MEDIA FOR HIGH DENSITY RECORDING	3D1	AULA GALILEO
09:30AM-09:45AM		Nakagawa	S.	Investigation of magnetization reversal process in the [Co/Pd] <sub>n</sub> multilayered thin film and Co-Cr-Ta-Pt thin film using anomalous Hall effect	3D2	AULA GALILEO

09:45AM-10:00AM	<b>3-D-Nanostructured and nanopatterned magnetorecording media- Chair: D. Niarchos; N. Shukla</b>	Zangari	G.	TEMPERATURE DEPENDENCE OF THE MAGNETIC PROPERTIES OF ELECTRODEPOSITED Co-Pt FILMS WITH HIGH PERPENDICULAR ANISOTROPY	3D3	AULA GALILEO
10:00AM-10:15AM		El-Hilo	M.	TIME-DEPENDENT COERCIVITY IN PARTICULATE RECORDING MEDIA.	3D4	AULA GALILEO
10:15AM-10:30AM		Gusliencko	K.	Magnetization thermal stability at thermomagnetic writing in perpendicular media	3D5	AULA GALILEO
10:30AM-10:45AM		Takei	S	FABRICATION OF Sm-Co FILMS WITH PERPENDICULAR MAGNETIC ANISOTROPY	3D6	AULA GALILEO
10:45AM-11:15AM	<b>COFFEE BREAK</b>					
11:15AM-01:15PM	<b>3-SY -Symposium:- Fast magnetization dynamics - Chair: B. Hillebrands</b>	HILLEBRANDS	B.	FAST MAGNETIZATION DYNAMICS	3-SY1	PLENARY HALL
11:15AM-01:15PM		KOOPMANS	B.	THE SECRETS OF FEMTOSECOND MAGNETIZATION DYNAMICS	3-SY2	PLENARY HALL
11:15AM-01:15PM		CROWELL	P.A.	Imaging Spin Dynamics in Closure Domain and Vortex Structures	3-SY3	PLENARY HALL
11:15AM-01:15PM		MILTAT	J.	A Micromagnetic Picture of Spin Transfer	3-SY4	PLENARY HALL
11:15AM-11:45AM	<b>3-F-SCES II - Superconductivity, magnetism and disorder in quantum criticality - Chair: J. Flouquet B. Lake</b>	KRAVCHENKO	S. V.	Metal-insulator transition and possible ferromagnetic instability in 2D	3F1	AULA MAGNA
11:45AM-12:00AM		Capone	M.	Enhancement of Superconductivity close to a Mott transition.	3F2	AULA MAGNA
12:00AM-12:15AM		Huxley	A. D.	SUPERCONDUCTIVITY IN FERROMAGNETS	3F3	AULA MAGNA
12:15AM-12:30AM		Harrison	N.	METAMAGNETISM AND QUANTUM CRITICALITY IN URu <sub>2</sub> Si <sub>2</sub> .	3F4	AULA MAGNA
12:30AM-12:45AM		Pugh	E.	Evolution of Fermi-liquid Interactions in Sr <sub>2</sub> RuO <sub>4</sub> under Pressure	3F5	AULA MAGNA
12:45AM-01:00PM		Zlatic	V.	Description of valence-change transitions by the DMFT solution of the Falicov-Kimball model	3F6	AULA MAGNA
01:00PM-01:15PM		Saini	N.L.	KEY ROLE OF LOCAL STRUCTURE IN THE ANOMALOUS SUPERCONDUCTIVITY OF Ce <sub>1-x</sub> La <sub>x</sub> Ru <sub>2</sub> SYSTEM WITH COEXISTING MAGNETISM	3F7	AULA MAGNA
01:15PM-01:30PM		Sarrao	J.L.	Unconventional Superconductivity in PuCoGa <sub>5</sub> ?	3F8	AULA MAGNA
11:15AM-11:45AM	<b>3-G-Artificially structured systems and self-assembled nanostructures - Chair: R. Skomski F. Briones</b>	COWBURN	R.P.	MAGNETIC NANOSTRUCTURES FOR DIGITAL LOGIC	3G1	AULA LEONARDO
11:45AM-12:00AM		Ross	C.A.	MAGNETIC STRUCTURE IN SUBMICRON RINGS AND ELLIPSES	3G2	AULA LEONARDO
12:00AM-12:15AM		Gurovich	B.	SELECTIVE REMOVAL OF ATOMS AS A NEW METHOD FOR FABRICATION OF SINGLE-DOMAIN PATTERNED MAGNETIC MEDIA AND MULTI-LAYERED NANOSTRUCTURES	3G3	AULA LEONARDO
12:15AM-12:45AM		KLAUI	M	MAGNETIC PROPERTIES OF SUB-100NM RING MAGNETS	3G4	AULA LEONARDO
12:45AM-01:00PM		Stankiewicz	Jolanta	MAGNETIZATION SWITCHING FIELDS OF Fe NANOWIRES AT VERY LOW TEMPERATURES	3G5	AULA LEONARDO
01:00PM-01:15PM		Zivieri	R.	SPIN-WAVE DISCRETIZATION IN CYLINDRICAL PERMALLOY DOTS	3G6	AULA LEONARDO

01:15PM-01:30PM	<b>3-G</b>	Kazakova	O.	Influence of interfaces on the magnetic properties of submicron elements	3G7	AULA LEONARDO
11:45AM-12:00AM	<b>3-H-Amorphous and Nanocrystalline - Materials I - Chair: A. Slawska; G. Suran</b>	Tugushev	V.V.	INTERPLAY BETWEEN CHARGE LOCALIZATION AND MAGNETIC ORDERING IN AMORPHOUS $Gd_xSi_{1-x}$ .	3H2	AULA GALILEO
12:00AM-12:15AM		Erokhin	V.	REGULAR ARRAYS OF MAGNETIC NANOCAPSULES ON SOLID SUPPORTS	3H3	AULA GALILEO
11:15AM-11:45AM		HERNANDO	A.	THERMALLY INDUCED WALL MOTION DUE TO MAGNETIZATION FLUCTUATION IN RANDOM ANISOTROPY FERROMAGNETS	3H1	AULA GALILEO
12:15AM-12:30AM		Michels	A.	FIELD DEPENDENCE OF MAGNETIC CORRELATIONS IN NANOCRYSTALLINE NI AND CO	3H4	AULA GALILEO
12:30AM-12:45AM		Narayanasamy	A.	CRITICAL PHENOMENA IN AMORPHOUS AND NANOCRYSTALLINE FINEMET ALLOY	3H5	AULA GALILEO
12:45AM-01:00PM		Tomka	G.J.	HYSTERESIS IN STRESS CYCLING OF AMORPHOUS RIBBONS	3H6	AULA GALILEO
01:00PM-01:15PM		Crespo	P.	MAGNETIC AND MÖSSBAUER CHARACTERIZATION OF $(Fe_{0.5}Cu_{0.5})_{100-x}Zr_x$ ALLOYS	3H7	AULA GALILEO
01:15PM-01:30PM		Varga	L. K.	MICROSTRUCTURE AND MAGNETIC PROPERTIES OF $Fe_{81}P_{13}Si_2Nb_3Cu_1$ NANOCRYSTALLINE ALLOY	3H8	AULA GALILEO
01:30PM		<b>LUNCH</b>				