

FRIDAY , AUGUST 1, 2003

Time	Session Title	Author name	Init.	TITLE	Session number	LOCATION
09:00AM-11:00AM	5-SY-Symposium:-Spin Manipulation in Semiconductors - Chair: D. Awschalom	AWSCHALOM	D.	Spin manipulation in Semiconductors	5-SY1	PLENARY HALL
09:00AM-11:00AM		OHNO	H.	Properties and manipulation of ferromagnetism in III-V semiconductors	5-SY2	PLENARY HALL
09:00AM-11:00AM		LOSS	D.	Spin-based Quantum Computing in Nanostructures.	5-SY3	PLENARY HALL
09:00AM-11:00AM		SHAM	L.J.	Theory of control of electron spin dynamics in semiconductor heterostructures	5-SY4	PLENARY HALL
09:00AM-09:30AM	5-B-Amorphous and nanocrystalline materials II - Chair: J. Inoue H.K. Lachowicz	PANINA	L.V.	MAGNETOIMPEDANCE IN AMORPHOUS MICROWIRES AND MULTIFUNCTIONAL APPLICATIONS: FROM SENSORS TO TUNABLE ARTIFICIAL MICROWAVE MATERIALS	5B1	AULA MAGNA
09:30AM-09:45AM		Ciureanu	P.	EXCHANGE COUPLING IN AMORPHOUS WIRES	5B2	AULA MAGNA
09:45AM-10:00AM		Sinnecker	J.P.	MAGNETIC PROPERTIES AND GIANT MAGNETO-IMPEDANCE IN ELECTRODEPOSITED AMORPHOUS CoP LAYERS	5B3	AULA MAGNA
10:00AM-10:15AM		Raposo	V.	FREQUENCY DEPENDENCE OF THE GIANT MAGNETOIMPEDANCE IN CURRENT ANNEALED AMORPHOUS WIRES	5B4	AULA MAGNA
10:15AM-10:30AM		Suran	G.	VARIATIONS OF THE INDUCED ANISOTROPY IN a-CoZr(M) (M=Mo,Ta) FILMS AS A FUNCTION OF THICKNESS AND DEPOSITION PARAMETERS	5B5	AULA MAGNA
10:30AM-10:45AM		Kulik	T.	IMPROVEMENT OF MAGNETIC PROPERTIES IN HITPERM NANOCRYSTALLINE ALLOYS BY ADDITION OF HAFNIUM AND BORON	5B6	AULA MAGNA
10:45AM-11:00AM		Murillo	N.	INFLUENCE OF ADDITIVES (Nb, Cr, Ta) ON THE MAGNETOSTRICTION BEHAVIOUR IN FINEMET ALLOYS	5B7	AULA MAGNA

09:00AM-09:15AM	5-C-Magnetic tunnel junctions - Chair: P. Dederichs; T. Dietl	Moodera	J. S.	HIGH SPIN POLARIZATION IN TUNNELING EXPERIMENT FOR NICKEL AND THE ROLE OF d STATES	5C1	AULA LEONARDO
09:15AM-09:30AM		Slonczewski	J.	THRESHOLD CURRENT FOR SPIN-TRANSFER SWITCHING	5C2	AULA LEONARDO
09:30AM-09:45AM		Itoh	H.	QUANTUM OSCILLATION OF TMR IN TUNNELING JUNCTIONS CONTAINING A NONMAGNETIC SPACER	5C3	AULA LEONARDO
09:45AM-10:00AM		Korenivski	V.	SPIN INJECTION IN FERROMAGNET-SUPERCONDUCTOR/NORMAL-FERROMAGNET STRUCTURES	5C4	AULA LEONARDO
10:00AM-10:15AM		Clowes	S.K.	USING PCAR TO STUDY Cu/Co BILAYERS	5C5	AULA LEONARDO
10:15AM-10:30AM		Bibes	M.	TRANSPORT PROPERTIES OF MANGANITE-BASED TUNNEL JUNCTIONS WITH STRUCTURE-ENGINEERED INTERFACES	5C6	AULA LEONARDO
10:30AM-10:45AM		Nagahama	T.	QUANTUM SIZE EFFECT OF THE TUNNELING MANGETORESISTANCE IN MAGNETIC TUNNEL JUNCTIONS WITH SINGLE-CRYSTAL Co(001)/Cu(001) ELECTRODE	5C7	AULA LEONARDO
10:45AM-11:00AM		Koop	H.	Shape dependence of the magnetization reversal in sub- μ magnetic tunnel junctions	5C8	AULA LEONARDO
09:00AM-09:15AM	5-D Magnetoelasticity - Chair: A. Del Moral; L. Lanotte	Komelj	M.	Ab-initio modelling of nonlinear magnetoelastic coupling in epitaxial films	5D1	AULA GALILEO
09:15AM-09:30AM		Arnold	Z.	EXISTENCE OF INCOMMENSURATE SPIRAL MAGNETIC STRUCTURE IN Y2Fe17 UNDER HIGH PRESSURE	5D2	AULA GALILEO
09:30AM-09:45AM		Ciria	M.	MAGNETOELASTIC STRESS IN Ni EPITAXIAL THIN FILMS.	5D3	AULA GALILEO
09:45AM-10:00AM		De Groot	P.A.J.	FIELD DEPENDENT EASY MAGNETIC AXES IN EPITAXIALLY GROWN (110) DyFe2 FILM	5D4	AULA GALILEO
10:00AM-10:15AM		Kovalev	A.A.	Magnetovibrational coupling in small cantilevers	5D5	AULA GALILEO
10:15AM-10:30AM		Jiles	D.	AMPERE'S LAW ANALOG FOR THE MATTEUCCI-WIEDEMANN EFFECT IN MAGNETOELASTIC MATERIALS	5D6	AULA GALILEO
10:30AM-10:45AM		Marcos Ruzafa	J.	MAGNETOCALORIC AND SHAPE-MEMORY EFFECTS IN Ni-Mn-Ga ALLOYS.	5D7	AULA GALILEO
10:45AM-11:00AM		Duc	N.H.	MAGNETISATION AND MAGNETOSTRICTION IN Fe/Terfecohan/Fe SANDWICH FILMS WITH AN INTERFACIAL EXTENDED DOMAIN WALL FORMATION	5D8	AULA GALILEO

11:00AM-12.30AM	5-pam-Micromagnetism and hysteresis modeling -Chair: R. VAIA; E. Agostinelli	Michels	A.	A lower bound for the volume-averaged mean-square magnetostatic stray field	5-pam01	H
11:00AM-12.30AM		Rossler	U.K.	PHENOMENOLOGICAL THEORY OF SURFACE-INDUCED INTERACTIONS IN MAGNETIC NANOSTRUCTURES	5-pam03	H
11:00AM-12.30AM		Klik	I.	STOCHASTIC DYNAMICS OF AN UNDERDAMPED SUPERPARAMAGNETIC PARTICLE	5-pam04	H
11:00AM-12.30AM		Boust	F.	HIGH FREQUENCY SUSCEPTIBILITY OF SOFT FERROMAGNETIC NANOSCALE PLATELETS	5-pam05	H
11:00AM-12.30AM		Sheiko	L.. M.	COMPUTATION OF DOMAINS AND SPATIAL MAGNETIZATION DISTRIBUTION NEAR THE DEFECTS OF CRYSTALLINE STRUCTURE OF SOFT MAGNETIC MATERIALS	5-pam06	H
11:00AM-12.30AM		Vakhitov	R.M.	MODELING OF THE NUCLEATION PROCESSES UPON DEFECTS IN REAL CRYSTALS	5-pam07	H
11:00AM-12.30AM		Vakhitov	R.M.	THE SPECTRUM OF NON-LINEAR MAGNETOELASTIC WAVES IN A (111) SLAB WITH COMBINED ANISOTROPY	5-pam08	H
11:00AM-12.30AM		Van Aken	B.B.	Micromagnetic modelling of multilayer devices	5-pam09	H
11:00AM-12.30AM		Dupre	L.R.	MACROSCOPIC FIELDS IN THIN FERROMAGNETIC SHEETS TAKING INTO ACCOUNT EDDY CURRENTS AND LANDAU-LIFSHITZ MAGNETIZATION	5-pam10	H
11:00AM-12.30AM		Kim	D.-H.	STATISTICAL ANALYSIS OF FLUCTUATING DOMAIN WALL DURING BARKHAUSEN AVALANCHE IN Co NANOFILMS	5-pam11	H
11:00AM-12.30AM		Guo	J	SIMULATION OF MAGNETIC RECORDING OF PERIODIC ANTIDOT ARRAY	5-pam12	H
11:00AM-12.30AM		Höllinger	R.	Dynamics of ferromagnetic nanomagnets with vortex or single-domain configuration	5-pam14	H
11:00AM-12.30AM		Serpico	C.	ANALYSIS OF QUASIPERIODIC LANDAU-LIFSHITZ-GILBERT DYNAMICS IN UNIFORMLY MAGNETIZED BODIES	5-pam15	H
11:00AM-12.30AM		Lee	J. H.	Magnetization reversal process of the nanosized elliptical permalloy magnetic dots with various aspect ratios	5-pam16	H
11:00AM-12.30AM		Endo	H.	EXPERIMENTAL STUDY ON THREE DIMENSIONAL MAGNETIC DOMAIN DYNAMICS OF Si-Fe SHEETS BY BALL PERMANENT MAGNETS	5-pam17	H
11:00AM-12.30AM		Christoph	V.	Numerical simulation of domain walls in Fe-whiskers and their interaction with deposited thin films	5-pam18	H
11:00AM-12.30AM		Firastrau	I.	BOUNDARY ELEMENT METHOD AND MICROMAGNETISM COUPLING FOR MAGNETORESISTIVE HEADS MODELING	5-pam19	H
11:00AM-12.30AM		Alouges	F.	GROUND STATES AND SWITCHING FIELDS IN SMALL CUBOIDAL PARTICLES	5-pam20	H

11:00AM-12.30AM	5-pam-Micromagnetism and hysteresis modeling - Chair: R. VAIA; E. Agostinelli	Savchenko	Alexander	STATISTICAL AND MICROMAGNETIC ANALYSIS OF THE COERCIVITY OF SINTERED Nd-Fe-B-BASED MAGNETS	5-pam21	H
11:00AM-12.30AM		KAKAY	A.	MICROMAGNETIC SIMULATION OF RANDOM ANISOTROPY MODEL	5-pam22	H
11:00AM-12.30AM		Torres	L.	Computational study of the effect of eddy currents on magnetization reversal processes.	5-pam23	H
11:00AM-12.30AM		Fukushima	H.	Effects of Gyromagnetic Term and Damping Constant on Switching Time of Single-Domain Particle	5-pam24	H
11:00AM-12.30AM		Martinez	E.	Angular Dependence of Switching Time in Ferromagnetic Nanosquares	5-pam25	H
11:00AM-12.30AM		Hristoforou	E.	ENERGETIC MODELING OF MAGNETOSTRICTIVE DELAY LINES	5-pam26	H
11:00AM-12.30AM		Dittrich	R.	Comparison of Langevin dynamics and direct energy barrier computation.	5-pam27	H
11:00AM-12.30AM		Tudosa	I.	PRECESSIONAL SWITCHING IN MAGNETIC PARTICLES	5-pam28	H
11:00AM-12.30AM		Buess	M.	Boundary conditions in precessional motion	5-pam29	H
11:00AM-12.30AM		IGLESIAS	J.R.I.	HYSTERESIS JUMPS IN MAGNETIC SYSTEMS WITH RANDOM ANISOTROPY	5-pam31	H
11:00AM-12.30AM		Vives	E.	SIMPLE LATTICE MODEL FOR HYSTERESIS LOOPS WITH EXCHANGE BIAS	5-pam32	H
11:00AM-12.30AM		Aly	S.	A STATISTICAL MECHANICS-BASED MODEL FOR UNIAXIALFERROMAGNETIC SYSTEMS.	5-pam33	H
11:00AM-12.30AM		Uesaka	Y.	EFFECTS OF EXCHANGE INTERACTION AND GRAIN SIZE DISTRIBUTION ON CLUSTER SIZE IN PERPENDICULAR MEDIA	5-pam34	H
11:00AM-12.30AM		Szewczyk	R.	APPLICATION OF THE ENERGY-BASED MODEL IN THE FIELD OF MAGNETOELASTIC PROPERTIES OF AMORPHOUS ALLOYS	5-pam35	H
11:00AM-12.30AM		d'Aquino	M.	A NEW PREISACH-TYPE VECTOR MODEL OF HYSTERESIS	5-pam36	H

11:00AM-12.30AM	5-pam-Micromagnetism and hysteresis modeling - Chair: R. VAIA; E. Agostinelli	Grössinger	G.	INTERPRETATION OF THE MICROSTRUCTURE IN PERMANENT MAGNETS BY HYSTERESIS MODEL PARAMETERS	5-pam37	H
11:00AM-12.30AM		Endo	H.	IMAGE BASED MODELING OF MAGNETODYNAMICS IN FERROMAGNETISM	5-pam38	H
11:00AM-12.30AM		ENDO	H.	CHUA TYPE CONSTITUTIVE EQUATION OF FERROMAGNETIC MATERIALS FOR MAGNETIDYNAMICS EVALUATION	5-pam39	H
11:00AM-12.30AM		Tellini	B.	USE OF EQUIVALENT PARALLELOGRAM HYSTERESIS CYCLES IN THE NUMERICAL COMPUTATION OF MAGNETIC PENETRATION IN MAGNETIC CORES	5-pam40	H
11:00AM-12.30AM		Karpasyuk	V.K.	GENERALIZED INTEGRO-DIFFERENTIAL EQUATION OF MAGNETIZATION REVERSAL DYNAMICS IN POLYCRYSTALS AND ITS APPLICATION TO PROCESSES IN MANGANITE-BASED CMR MATERIALS	5-pam41	H
11:00AM-12.30AM		Rosales-Rivera	A.	A FOUR-SUBLATTICE ISING ANTIFERROMAGNET MODEL: APPLICATION TO THE $(La_{1-x}Pr_x)_{0.5}Ca_{0.5}MnO_3$ MANGANITES	5-pam42	H
11:00AM-12.30AM		Sipr	O.	Ab-initio calculation of magnetic structure and XMCD spectra of small iron nanoclusters	5-pam43	H
11:00AM-12.30AM		Van den Bossche	Alex	WIDE FREQUENCY COMPLEX PERMEABILITY ANALYTICAL FUNCTION FOR LINEAR MAGNETIC MATERIALS	5-pam44	H
11:00AM-12.30AM		Cardelli	E.	DYNAMIC HYSTERESIS AND MAGNETIC LOSSES IN SOFT MAGNETIC MATERIALS	5-pam45	H
11:00AM-12.30AM		5-qam-Magnetisation processes and experimental hysteresis - Chair: R. VAIA; E. Agostinelli	El-Hilo	M.	MAGNETISATION REVERSAL IN GRANULER POWDER SYSTEMS	5-qam01
11:00AM-12.30AM	Sato Turtelli		R.	EFFECT OF MAGNETOSTATIC INTERACTION ON MAGNETIC PROPERTIES OF MIXED POWDERS: COMPUTER SIMULATION AND EXPERIMENTAL RESULTS	5-qam02	G
11:00AM-12.30AM	Teodosio		J.R.T	EFFECTS OF COLD WORK, PRIOR TO AGING, ON THE MAGNETIC PROPERTIES OF Fe-20Mo-5Ni ALLOYS WITH DIFFERENT AMOUNTS OF CARBON	5-qam03	G
11:00AM-12.30AM	Chizhik		A.	MAGNETIZATION REVERSAL AND MAGNETIC DOMAIN STRUCTURE IN GLASS-COVERED Co-RICH MICRO-WIRES IN PRESENCE OF TENSILE STRESS.	5-qam04	G
11:00AM-12.30AM	Ogrin		F.Y.	MICROMAGNETIC TORQUE STUDIES OF THE INTERGRANULAR EXCHANGE COUPLING AND MAGNETO-CRYSTALLINE ANISOTROPY IN POLYCRYSTALLINE LONGITUDINAL MEDIA.	5-qam05	G
11:00AM-12.30AM	Yu		S.C.	MAGNETIC CHARACTERISTICS OF La-DEFICIENT MANGANATE SINGLE CRYSTALS	5-qam06	G
11:00AM-12.30AM	Choi		D. H.	TAILORING THE MAGNETIC PROPERTIES OF CoFePtP ALLOYS WITH VARIATIONS IN IRON CONTENTS	5-qam07	G

11:00AM-12.30AM	5-qam-Magnetisation processes and experimental hysteresis - Chair: R. VAIA; E. Agostinelli	Mino	M	MAGNETIC DOMAIN STRUCTURE IN GARNET THIN FILM UNDER ALTERNATE MAGNETIC FIELD	5-qam08	G
11:00AM-12.30AM		Lileev	A. S.	TEMPERATURE DEPENDENCE OF THE MAGNETIC HYSTERESIS OF Nd-Fe-B FILM MAGNETS	5-qam09	G
11:00AM-12.30AM		Gaiduk	S.	THIN FERROMAGNETIC COATING FOR CRYSTALLINE MAGNETIC MATERIALS.	5-qam10	G
11:00AM-12.30AM		Gaiduk	S.	INFLUENCE OF MAGNETIC STRAY FIELDS CREATED BY GRAIN BOUNDARIES ON MAGNETIZATION PROCESSES OF LAMINATED SILICON STEEL SHEETS.	5-qam11	G
11:00AM-12.30AM		Barthem	V.M.T	MAGNETISATION PROCESSES IN AN ASSEMBLY OF UNIAXIAL MULTI DOMAIN PARTICLES	5-qam13	G
11:00AM-12.30AM		Marcos Ruzafa	J.	Criticality in Cu-Al-Mn hysteresis loops	5-qam14	G
11:00AM-12.30AM		Jones	B.A.	Magnetic Viscosity Effects on the Determination of the Switching Field Distribution	5-qam15	G
11:00AM-12.30AM		Fernandez Outon	L. E.	THERMALLY ACTIVATED REVERSAL OF THE ANTIFERROMAGNETIC LAYER IN EXCHANGE COUPLES.	5-qam16	G
11:00AM-12.30AM		Dempsey	N.M.	Relation between the magnetic and microstructural properties of hard magnetic FePt foils	5-qam17	G
11:00AM-12.30AM		Ros-Yanez	T	Influence of the Si and Al gradient on the magnetic properties of high-Si electrical steel produced by hot dipping and diffusion annealing	5-qam18	G
11:00AM-12.30AM		Sablik	M.J.	Modeling Incipient Creep Damage Effects on Barkhausen Noise and Magnetoacoustic Emission	5-qam19	G
11:00AM-12.30AM		Papusoi	C.C.	The Field-Blocked and Zero-Field-Blocked transverse susceptibilities for high density recording media	5-qam20	G
11:00AM-12.30AM		Woodward	R. C.	EFFECT OF REVERSAL FIELD ON DOMAIN STRUCTURES IN TbFeCo	5-qam21	G
11:00AM-12.30AM		Colaiori	F.	SCALING PROPERTIES OF THE BARKHAUSEN PULSE SHAPE	5-qam22	G
11:00AM-12.30AM		Young	San L	COMPARISON OF THE MAGNETIZATION BEHAVIORS IN La _{0.7-x} Ln _x Pb _{0.3} MnO ₃ (Ln=Nd AND Sm) SYSTEMS	5-qam23	G

11:00AM-12.30AM	5-qam-Magnetisation processes and experimental hysteresis - Chair: R. VAIA; E. Agostinelli	Vandenbossche	L.	Mechanical Stress Evaluation of Steel Utilizing its Magnetic Properties: an Inverse Problem Approach	5-qam24	G
11:00AM-12.30AM		Basso	V.	Barkhausen noise in nucleation-type hard magnetic materials	5-qam25	G
11:00AM-12.30AM		AUGUSTYNIAK	B.	IMPACT OF EDDY CURRENTS ON BARKHAUSEN AND MAGNETOACOUSTIC EMISSION INTENSITY IN A STEEL PLATE MAGNETIZED BY A C-CORE ELECTROMAGNET.	5-qam26	G
11:00AM-12.30AM		KADAR	G.	MAGNETIZATION PROCESS AS A COMBINED FUNCTION OF FIELD AND TEMPERATURE IN THE PRODUCT MODEL OF HYSTERESIS	5-qam27	G
11:00AM-12.30AM		Sommer	R. L.	USE OF THE ZIPPING METHOD APPLIED TO BARKHAUSEN NOISE TO ESTIMATE DISORDER AND ENTROPY	5-qam28	G
11:00AM-12.30AM		Permiakov	V.	LOSS SEPARATION AND PARAMETERS FOR HYSTERESIS MODELLING UNDER COMPRESSIVE AND TENSILE STRESSES.	5-qam29	G
11:00AM-12.30AM		Jaworowicz	J.	DOMAIN STRUCTURES AND MAGNETIZATION PROCESSES OF ULTRATHIN ORDERED IRON-GOLD ALLOYS FILMS	5-qam30	G
11:00AM-12.30AM		Girgis	E.	Asymmetry of Magnetization Reversal in Nano-scale Exchange-Biased Co/CoO Dots Arrays	5-qam31	G
11:00AM-12.30AM		Shima	T.	FABRICATION OF L10 ORDERED FePt THIN FILMS WITH A CANTED EASY MAGNETIZATION AXIS ON MgO (110) SUBSTRATES	5-qam32	G
11:00AM-12.30AM		Gündel	A.	BARKHAUSEN NOISE AND HIGH INDUCTION LOSSES IN NON-ORIENTED ELECTRICAL STEEL	5-qam33	G
11:00AM-12.30AM		Lai	Mei-F	MAGNETIZATION PROCESSES IN SINGLE DOMAIN ELLIPTICAL PERMALLOY THIN FILMS	5-qam34	G
11:00AM-12.30AM		Yonamine	T.	CORRELATION BETWEEN MAGNETIC PROPERTIES AND CRYSTALLOGRAPHIC TEXTURE OF SILICON STEEL	5-qam35	G
11:00AM-12.30AM		Ziese	M.	STUDY OF THE AC-SUSCEPTIBILITY OF MANGANITE FILMS	5-qam36	G
11:00AM-12.30AM		Dutson	J.D.	Magnetisation Reversal in Perpendicular Thin Films	5-qam37	G
11:00AM-12.30AM	5-ram-Amorphous and nano-crystalline materials II	Crisan	O.	INFLUENCE OF Gd ADDITION ON THE MAGNETISM AND STRUCTURE OF FINEMET-TYPE NANOCRYSTALLINE ALLOYS	5-ram01	D
11:00AM-12.30AM		Seifu	D.	Mechanical Alloying.	5-ram02	D

11:00AM-12.30AM	5-ram-Amorphous and nanocrystalline materials II - Chair: R. VAIA; D. Rinaldi	Cecchetti	A.	MAGNETOINDUCTANCE AND PERMEABILITY IN Co-BASED AMORPHOUS AND NANOCRYSTALLINE RIBBONS	5-ram03	D
11:00AM-12.30AM		PRINCIPI	G.	EVOLUTION OF THE AMORPHOUS GRAIN BOUNDARY PHASE DURING NANOCRYSTALLISATION OF Fe ₇₂ Cu ₁ Nb _{4.5} Si _{13.5} B ₉ ALLOY	5-ram04	D
11:00AM-12.30AM		SZUMIATA	T.	SURFACE MAGNETOSTRICTION AND HYPERFINE PARAMETERS OF Fe ₇₂ Cu ₁ Nb _{4.5} Si _{13.5} B ₉ NANOCRYSTALLINE ALLOY	5-ram05	D
11:00AM-12.30AM		BITOH	T.	THE EFFECT OF GRAIN-SIZE DISTRIBUTION ON COERCIVITY IN NANOCRYSTALLINE SOFT MAGNETIC ALLOYS	5-ram06	D
11:00AM-12.30AM		Kolano-Burian	A.	EFFECT OF Co ADDITION ON NANOCRYSTALLIZATION AND SOFT MAGNETIC PROPERTIES OF (Fe _{1-x} Cox) _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ ALLOYS	5-ram07	D
11:00AM-12.30AM		Xu	F.	Effect of Applied DC Fields on the Domain Wall Magnetization Processes of FeNbCu Soft Magnetic Nanocrystalline Ribbons at Low Frequencies	5-ram09	D
11:00AM-12.30AM		Dan	N.H.	High coercivity in Nd-Fe-Al based melt-spun ribbons	5-ram10	D
11:00AM-12.30AM		Mukadam	M. D.	PARTICLE SIZE DEPENDENT MAGNETIC PROPERTIES OF α -Fe ₂ O ₃ NANOPARTICLES	5-ram11	D
11:00AM-12.30AM		Ky	V.H.	INFLUENCE OF QUENCHING RATE ON MAGNETIC PROPERTIES ND ₂₅ FE ₃₀ CO ₃₀ AL ₁₀ B ₅ ALLOY	5-ram12	D
11:00AM-12.30AM		Chou	C. Y.	EFFECTS OF THE PROCESS PARAMETERS ON THE MICROSTRUCTURE AND MAGNETIC PROPERTIES OF NANOCRYSTALLINE FeTaCN FILMS	5-ram13	D
11:00AM-12.30AM		Luby	S.	PULSED EXCIMER LASER DEPOSITED Co - AND Fe - BASED MAGNETIC FILMS FOR FAST MAGNETIC SENSORS	5-ram14	D
11:00AM-12.30AM		Kiss	L.F.	Study of the unusual increase in the Curie temperature of the residual amorphous phase in nanocrystalline Fe ₉₀ Zr ₇ B ₂ Cu ₁	5-ram15	D
11:00AM-12.30AM		Park	I.-W.	SYNTHESIS OF COBALT NANOPARTICLES IN POLYMERIC MEMBRANE AND THEIR MAGNETIC ANISOTROPY	5-ram16	D
11:00AM-12.30AM		Peng	Kun	Effects of ambient gasses on the magnetic properties of Fe _{84.8} Zr _{3.4} Nb _{3.4} B _{7.4} Cu ₁ nanocrystalline alloy	5-ram17	D
11:00AM-12.30AM		Morón	C.	NANOMETRIC CRYSTALLIZATION OF AMORPHOUS RIBBONS BY DC JOULE HEATING	5-ram18	D
11:00AM-12.30AM		Shimada	Y.	RF FREQUENCY PERMEABILITY OF THE FIBER STRUCTURE IN FERROMAGNETIC METAL/OXIDE FILMS DEPOSITED BY CO-EVAPORATION	5-ram19	D

11:00AM-12.30AM	5-ram-Amorphous and nanocrystalline materials II - Chair: R. VAIA; D. Rinaldi	Vinai	F.	Effect of the amorphous-to-nanocrystalline transformation on the high-frequency magnetoimpedance in Fe _{63.5} Cr ₁₀ Cu ₁ Nb ₃ Si _{13.5} B ₉ MELT-SPUN RIBBONS.	5-ram20	D
11:00AM-12.30AM		Bracchi	A.	COOLING RATE DEPENDENT MICROSTRUCTURE AND MAGNETIC PROPERTIES OF THE GLASS FORMING SYSTEM Nd ₆₀ Fe ₃₀ Al ₁₀ .	5-ram21	D
11:00AM-12.30AM		Zbroszczyk	J.	Microstructure and magnetic relaxation in amorphous and nanocrystalline Fe _{42.7} Co _{42.7} Zr _{6.8} -xNbxB _{6.8} Cu ₁ (x=0 or 1) alloys	5-ram22	D
11:00AM-12.30AM		MARTIN	J.I.	COMPENSATION TEMPERATURE AND COMPOSITION HOMOGENEITY IN AMORPHOUS GdxCo _{1-x} FILMS	5-ram23	D
11:00AM-12.30AM		Conde	C.F.	MICROSTRUCTURE AND MAGNETIC PERMEABILITY OF HITPERM (FeMn)CoNbB(Cu) ALLOYS	5-ram24	D
11:00AM-12.30AM		SULITANU	N.	THE ROLE OF SIZE EFFECTS COMPOSITIONAL AND PHASE RELATIONS ON THE MAGNETIC PROPERTIES OF NANOSTRUCTURED Ni-S ALLOY FILMS	5-ram25	D
11:00AM-12.30AM		Olszewski	J.	Nanocrystallization and magnetic properties of Fe _{85.4} Zr _{6.8} -xMxB _{6.8} Cu ₁ (x=0 or 1; M=Nb, Nd or Mo) alloys	5-ram26	D
11:00AM-12.30AM		Chazal	H.	Influence of magnetoelastic effects on the coercivity of ultrasoft nanocrystalline alloys	5-ram28	D
11:00AM-12.30AM	5-sam-Magnetic nanoparticles II - Chair: R. VAIA; D. Rinaldi	Beleggia	M.	ON THE COMPUTATION OF THE DEMAGNETIZATION TENSOR FOR PARTICLES OF ARBITRARY SHAPE	5-sam01	A
11:00AM-12.30AM		WERNSDORFER	W.	SIMULATION OF MAGNETISATION SWITCHING BY NON-LINEAR RESONANCE	5-sam02	A
11:00AM-12.30AM		Plokhov	D.I.	DISSIPATIVE DYNAMICS OF LARGE SPIN MAGNETIC CLUSTERS, MOLECULES, AND IONS IN SWEPT MAGNETIC FIELD	5-sam03	A
11:00AM-12.30AM		Munoz-Sandoval	E.	Magnetic and transport properties of Fe nanowires encapsulated in carbon nanotubes	5-sam04	A
11:00AM-12.30AM		Yoon	M	SUPERPARAMAGNETISM OF TRANSITION METAL NANOPARTICLES IN CONDUCTING POLYMER FILM	5-sam05	A
11:00AM-12.30AM		Wang	Hongl	CoPtB NANOPARTICLES BY CHEMICAL SYNTHESIS	5-sam07	A
11:00AM-12.30AM		Hernandez	L	Influence of crystal structure and surface anisotropy for a model of a Gd ₁₃ magnetic cluster	5-sam08	A
11:00AM-12.30AM		MACEDO	M.	A NOVEL ROUTE FOR THE PREPARATION OF NiFe ₂ O ₄ NANOSIZED POWDERS	5-sam09	A

11:00AM-12.30AM	5-sam-Magnetic nanoparticles II - Chair: R. VAIA; D. Rinaldi	Petracic	O.	SUPERFERROMAGNETIC DOMAIN STATE DYNAMICS IN DISCONTINUOUS CoFe/Al ₂ O ₃ MULTILAYERS	5-sam10	A
11:00AM-12.30AM		Rabelo	D.	SYNTHESIS OF MANGANESE FERRITE NANOPARTICLE IN MACROPOROUS STYRENE-DIVINYLBENZENE COPOLYMER	5-sam11	A
11:00AM-12.30AM		Fraile Rodríguez	A.	XAFS ON QUASI TWO-DIMENSIONAL ARRAYS OF MONODISPERSE Co BASED NANOPARTICLES	5-sam12	A
11:00AM-12.30AM		Novakova	A.	MAGNETIC ANISOTROPY IN POLYMER NANOCOMPOSITES CONTAINING IRON OXIDE NANOPARTICLES.	5-sam13	A
11:00AM-12.30AM		Cornejo	D. R.	Study of magnetic properties in ball-milled MnFeCo composites	5-sam14	A
11:00AM-12.30AM		Dubenko	I.S.	APPEARANCE OF A SPONTANEOUS MAGNETIZATION IN THE Mn-SUBLATTICE OF MICRO- AND NANO-PARTICLES OF TbMn ₂ Ge ₂	5-sam15	A
11:00AM-12.30AM		Sousa	E. C.	ENHANCED SURFACE ANISOTROPY EVIDENCED BY MOSSBAUER SPECTROSCOPY IN NICKEL FERRITE NANOPARTICLES	5-sam16	A
11:00AM-12.30AM		Raikher	Yu. L.	FERROMAGNETIC RESONANCE IN NANOPARTICLES WITH SURFACE SPIN PINNING	5-sam17	A
11:00AM-12.30AM		Millán	A.	MAGNETIC PROPERTIES OF GOETHITE-POLYMER NANOCOMPOSITES	5-sam18	A
11:00AM-12.30AM		Gilbert	I.	INFLUENCE OF SIZE AND SHAPE ON THE MAGNETIC PROPERTIES OF MAGHEMITE NANOPARTICLES FORMED IN-SITU IN A POLYMER MATRIX	5-sam19	A
11:00AM-12.30AM		Zeng	Qi	SYNTHESIS AND MAGNETIC PROPERTIES OF FINE Fe-Pt NANOPARTICLES PREPARED BY CHEMICAL REDUCTION	5-sam20	A
11:00AM-12.30AM		SERRES	A.	Studies of ion implantation synthesis conditions and magnetic properties of MnAs nanoparticles burried in GaAs substrate.	5-sam21	A
11:00AM-12.30AM		Papaefthymiou	G. C.	NANOMETER SIZE CLUSTERS AND PARTICLES: A COMPARATIVE STUDY OF MAGNETIC BEHAVIOR.	5-sam22	A
11:00AM-12.30AM		Pakes	C.I.	Manipulation of single magnetic protein particles using atomic force microscopy	5-sam23	A
11:00AM-12.30AM		Gorham	N.T.	MAGNETIC ENERGY BARRIER DISTIBUTIONS IN FEPT NANOPARTICLES	5-sam24	A
11:00AM-12.30AM		Foster	K	Magnetic and Structural Characterization of Self-assembled FePt Nanoparticles.	5-sam25	A

11:00AM-12.30AM	5-sam-Magnetic nanoparticles II - Chair: R. VAIA; D. Rinaldi	de Julián Fernández	C.	SUPERPARAMAGNETISM AND COERCITIVITY IN HCP-CO NANOPARTICLES DISPERSED IN SILICA MATRIX	5-sam26	A
11:00AM-12.30AM		Vouille	C.	Numerical simulation of thermally activated switching of nanoparticles	5-sam27	A
11:00AM-12.30AM		Naik	R.	MAGNETIC PROPERTIES OF Fe-OXIDE AND (Fe, Co)-OXIDE NANOPARTICLES SYNTHESIZED IN POLYSTYRENE RESIN MATRIX	5-sam28	A
11:00AM-12.30AM		Borcia	I. D.	EXPERIMENTAL EVALUATION OF TEMPERATURE DEPENDENCE OF THE PREISACH DISTRIBUTION IN NANOPARTICULATE SYSTEMS	5-sam29	A
11:00AM-12.30AM		Bessais	L.	STRUCTURE AND INTRINSIC MAGNETIC PROPERTIES OF Sm(Fe, Si) ₉ ALLOYS	5-sam30	A
11:00AM-12.30AM		Ichiyanagi	Y.	Magnetic study on the Co ₃ O ₄ nanoparticles	5-sam31	A
11:00AM-12.30AM		Hjøllum	J. í	MAGNETIC PROPERTIES OF IRON OXIDE NANOPARTICLES FABRICATED BY THE INVERSE MICELLAR METHOD	5-sam32	A
11:00AM-12.30AM		Sondon	Tristan	Electronic and Magnetic properties of bimetallic Co _m Rh _n clusters (n+m ≤ 55)	5-sam33	A
11:00AM-12.30AM		Viana Lopes	J.	INDIRECT INTERACTIONS BETWEEN MAGNETIC NANOPARTICLES IN GRANULAR ALLOYS	5-sam34	A
11:00AM-12.30AM		Sangregorio	C	MAGNETIC PROPERTIES OF Co-Ni ALLOY NANOPARTICLES PREPARED BY THE SOL-GEL TECHNIQUE	5-sam35	A
11:00AM-12.30AM		Angelakeris	M.	CORRELATION OF STRUCTURE AND MAGNETISM IN Ag/Co NANOPARTICLE ARRAYS	5-sam37	A
11:00AM-12.30AM		5-tam-Films, multilayers and superlattices IV - Chair: R. VAIA; M.R. Cimberle	Tarapov	S.I.	DYNAMIC AND STATIC MAGNETIZATION MEASUREMENTS OF Co/Cu MULTILAYERS	5-tam01
11:00AM-12.30AM	HIRAI		K.	FIRST-PRINCIPLES STUDY OF PROXIMITY EFFECTS ON SPIN-DENSITY WAVE IN CHROMIUM MULTILAYERS	5-tam02	F
11:00AM-12.30AM	HAQUE		S.A.	Magnetization Process of a Ni/Si/Ni/GaAs Multilayer and its Magnetoresistance	5-tam03	F
11:00AM-12.30AM	Fernandez Albanesi		L.	MAGNETIC AND STRUCTURAL CHARACTERIZATION OF NEW NANOSTRUCTURED SYSTEMS.	5-tam04	F

11:00AM-12.30AM	5-tam-Films, multilayers and superlattices IV - Chair: R. VAIA; M.R. Cimberle	Lee	Y. P.	PHYSICAL PROPERTIES OF AS-DEPOSITED AND POST-TREATED Ni/Si MULTILAYERED FILMS.	5-tam05	F
11:00AM-12.30AM		Dubowik	J.	Temperature Dependence of Magnetic Anisotropy in Co/Au layered Structures	5-tam06	F
11:00AM-12.30AM		ARZHNIKOV	A.K.	MAGNETISM AND HYPERFINE MAGNETIC FIELDS IN Fe/Cr/Sn/Cr AND Cr/Sn/Cr MULTILAYERS	5-tam07	F
11:00AM-12.30AM		Rossler	U.K.	THEORY OF MAGNETIC PHASES AND REORIENTATION TRANSITIONS IN THIN ANTIFERROMAGNETIC FILMS AND MULTILAYERS	5-tam08	F
11:00AM-12.30AM		Kang	S. W.	FABRICATION OF CoPtP ALLOY WITH HIGH COERCIVITY AND SQUARENESS BY ELECTROCHEMICAL DEPOSITION OF MULTILAYER	5-tam09	F
11:00AM-12.30AM		Spezzani	C.	ANTIFERROMAGNETIC HYSTERESIS IN Co/Cu MAGNETORESISTIVE MULTILAYERS INVESTIGATED BY X-RAY RESONANT SCATTERING	5-tam10	F
11:00AM-12.30AM		MOUSSY	J.B.	NANOMETRIC HETEROSTRUCTURES OF IRON OXIDES GROWN BY MOLECULAR BEAM EPITAXY: STRUCTURAL AND MAGNETIC PROPERTIES	5-tam11	F
11:00AM-12.30AM		Fratucello	G.B.	MAGNETIC INTERFACE ANISOTROPY IN Ni/Fe / Ni(111) TRILAYERS	5-tam12	F
11:00AM-12.30AM		Sakai	T.	THERMAL VARIATION OF THE MAGNETOTRANSPORT PROPERTIES OF Co/Cu MAGNETIC MULTILAYERS	5-tam13	F
11:00AM-12.30AM		Milano	J.	BAND CONTRIBUTION TO THE ELECTRONIC TRANSPORT IN CO-AG BASED MULTILAYERED GRANULAR ALLOYS.	5-tam14	F
11:00AM-12.30AM		Belotelov	V. I.	NONGIROTROPIC MAGNETOOPTICAL EFFECTS IN MULTILAYERS	5-tam15	F
11:00AM-12.30AM		Lee	C. H.	X-RAY STUDY OF THE RELATION BETWEEN THE MAGNETIC PROPERTIES AND STRUCTURAL PROPERTIES OF THE EPITAXIAL Co/Pt MULTILAYERS ON Al ₂ O ₃ (11-20) SUBSTRATES	5-tam16	F
11:00AM-12.30AM		Filimonov	Yu. A.	INFLUENCE OF GROWTH TEMPERATURE ON THE EASY MAGNETIZATION AXIS SWITCH AND DOMAIN STRUCTURE IN Fe/GaAs(100) STRUCTURES	5-tam17	F
11:00AM-12.30AM		Dugaev	V. K.	MAGNETIC SWITCHING BY ELECTRIC CURRENT IN MAGNETIC NANOSTRUCTURES	5-tam18	F
11:00AM-12.30AM		Holmstrom	E	Structural and magnetic aspects of the interfaces of multilayers	5-tam19	F
11:00AM-12.30AM		Lee	Y. W.	Asymmetric exchange bias in NiFe/FeMn/NiFe multilayer films	5-tam20	F

11:00AM-12.30AM	5-tam-Films, multilayers and superlattices IV - Chair: R. VAIA; M.R. Cimberle	Takenouchi	N	MAGNETIC ANISOTROPY IN Ni/NONMAGNETIC METAL, INSULATOR/NiMn MULTILAYER FILM DEPENDENT ON SPACER THICKNESS	5-tam21	F
11:00AM-12.30AM		Vavassori	P.	MAGNETIZATION REVERSAL IN EXCHANGE-COUPLED FeTaN/FeSm/FeTaN MULTILAYERS.	5-tam22	F
11:00AM-12.30AM		Goto	T.	PERPENDICULAR MAGNETIC ANSOTROPY OF THE(Co,Fe)/Pt MULTILAYERS	5-tam23	F
11:00AM-12.30AM		Gallego	S.	Influence of Au segregation on magnetic anisotropy of Fe/Cu ₃ Au(001)	5-tam24	F
11:00AM-12.30AM		Berrada	A.	STRUCTURAL, MAGNETIC AND TRANSPORT PROPERTIES IN THE COZN /CU ELECTRODEPOSITED MULTILAYERS	5-tam25	F
11:00AM-12.30AM		Repetto	D	Perpendicular coupling and spin reorientation transition in fcc Fe/Cu/Fe trilayers	5-tam26	F
11:00AM-12.30AM		Nascimento	V. P.	XMCD STUDY OF Ni ₈₁ Fe ₁₉ /W ₉₀ Ti ₁₀ MULTILAYERS	5-tam27	F
11:00AM-12.30AM		Demokritov	S.O.	TEMPERATURE DEPENDENCE OF THE INTERLAYER COUPLING IN AFe/Cr/Fe WEDGE SAMPLE: STATIC AND DYNAMIC STUDIES.	5-tam28	F
11:00AM-12.30AM		Pang	Wenjie	EXCHANGE BIAS OF Fe/KFeF ₃	5-tam29	F
11:00AM-12.30AM		MICHA	J.S.	Estimation of the Co nanoparticles size by magnetic measurements in Co/SiO ₂ discontinuous multilayers	5-tam30	F
11:00AM-12.30AM		Harada	Y.	STRUCTURAL AND MAGNETIC PROPERTIES OF EPITAXIAL Fe/Cu MULTILAYERS	5-tam31	F
11:00AM-12.30AM		Slezak	T.	SPIN POLARIZATION AND INTERLAYER COUPLING IN FE/FEAL/FE SANDWICHES	5-tam32	F
11:00AM-12.30AM		Slezak	T.	SPIN REORIENTATION TRANSITION IN ULTRATHIN FE FILMS INDUCED BY INTERLAYER COUPLING.	5-tam33	F
11:00AM-12.30AM		BERRADA	A.	FERROMAGNETIC RESONANCE STUDIES IN Fe/Ti MULTILAYERS	5-tam34	F
11:00AM-12.30AM		Yan	S. S.	Modulated exchange coupling in hard/soft layered structure	5-tam35	F
11:00AM-12.30AM		ROSA	M.A.	MAGNETIC ANISOTROPY OF U/Co MULTILAYERS	5-tam36	F

11:00AM-12.30AM	5-tam	Passamani	E.C.	STRUCTURAL AND MAGNETIC PROPERTIES OF Fe/Mn/Fe TRILAYERS.	5-tam37	F
11:00AM-12.30AM	5-uam-Magnetic semiconductors II - Chair: R. VAIA; G. Principi	Kim	I.	Microstructural analysis of Ga1-xMnxN films Grown By PEMBE	5-uam01	I
11:00AM-12.30AM		Rode	K	COBALT SUBSTITUTED ZnO - A MAGNETIC SEMICONDUCTOR	5-uam02	I
11:00AM-12.30AM		Park	Y. D.	OBSERVATION OF CARRIER MEDIATED LONG-RANGE MAGNETIC ORDERING IN MANGANESE ION-IMPLANTED P+ GaAs:C.	5-uam03	I
11:00AM-12.30AM		Jung	C. W.	MAGNETISM AND ELECTRON TRANSPORT OF DILUTE MAGNETIC SEMICONDUCTOR GeFe	5-uam04	I
11:00AM-12.30AM		Bergqvist	L.	Magnetism and electronic structure of diluted magnetic semiconductors	5-uam05	I
11:00AM-12.30AM		Choi	S.	Ferromagnetic properties in As-doped Ge1-xMnx single crystals	5-uam06	I
11:00AM-12.30AM		SANVITO	S.	(Ga,Mn)As/AIAs DIGITAL FERROMAGNETIC HETEROSTRUCTURES	5-uam07	I
11:00AM-12.30AM		Frustaglia	D.	Spin waves in diluted magnetic semiconductor quantum wells	5-uam08	I
11:00AM-12.30AM		BREY	L.	TEMPERATURE DEPENDENCE OF THE CONDUCTANCE IN DILUTED MAGNETIC SEMICONDUCTORS.	5-uam09	I
11:00AM-12.30AM		Noguchi	S.	HALL EFFECT AND SPECIFIC HEAT UNDER MAGNETIC FIELDS IN CeSi	5-uam11	I
11:00AM-12.30AM		Takase	K.	Magnetic Properties of Wide Gap Layered Semiconductor (La1-xMxO)Cu1-yTyS (M=Ca, Ce ; T=Mn, Co, Zn)	5-uam12	I
11:00AM-12.30AM		Han	GC	GROWTH AND MAGNETIC PROPERTIES OF TiO2:Co ANATASE THIN FILMS BY SPUTTERING TECHNIQUE	5-uam13	I
11:00AM-12.30AM		Schulthess	T.C.	ON THE ELECTRONIC STATE OF Mn IMPURITIES IN III-V SEMICONDUCTORS	5-uam14	I
11:00AM-12.30AM		Ihm	Y.E.	Magneto-electronic Properties of Ge1-xMnx Thin Films Grown by MBE	5-uam15	I
11:00AM-12.30AM		Castrucci	P.	MAGNETIC PROPERTIES OF THIN MnGe FILMS INVESTIGATED BY MAGNETIC FORCE MICROSCOPY	5-uam16	I

11:00AM-12.30AM	5-uam-Magnetic semiconductors II - Chair: R. VAIA; G. Principi	Giebultowicz	H.K.	DETERMINATION OF HOLE-INDUCED FERROMAGNETIC EXCHANGE BETWEEN NEAREST-NEIGHBOR Mn SPINS IN p-TYPE Zn _{1-x} Mn _x Te.	5-uam17	I
11:00AM-12.30AM		Béjar	M	NON-LINEAR SPIN TRANSPORT IN MAGNETIC SEMICONDUCTOR SUPERLATTICES	5-uam18	I
11:00AM-12.30AM		Silva Mujica	P. J.	Magnetic properties of the reentrant CdGa _{(2-2x)Cr_{2x}Se₄}	5-uam19	I
11:00AM-12.30AM		Okabayashi	Jun	ELECTRONIC STRUCTURES OF ZINC-BLENDE TYPE MnAs NANOSTRUCTURES STUDIED BY PHOTOEMISSION AND X-RAY ABSORPTION SPECTROSCOPY	5-uam20	I
11:00AM-12.30AM		Asada	H.	Magnetic properties of spin valve structural GeMnTe/GeTe/GeMnTe/MnTe semiconductor multilayer	5-uam21	I
11:00AM-12.30AM		Ferrand	D.F.	ABOUT ROOM-TEMPERATURE FERROMAGNETISM OF MANGANESE-DOPED GaN	5-uam22	I
11:00AM-12.30AM		KIDA	A.	MAGNETORESISTANCE OF TRILAYER FILMS WITH Fe ₃ O ₄	5-uam23	I
11:00AM-12.30AM		Kim	Y.M.	STUDY ON MAGNETIC BEHAVIOR OF Zn _{1-x} Mn _x O FILMS	5-uam24	I
11:00AM-12.30AM		Yun	Sun Y	FIRST-PRINCIPLES CALCULATIONS ON MAGNETISM OF TRANSITION METAL DOPED ZINC OXIDE	5-uam25	I
11:00AM-12.30AM		Lee	H. M.	COEXISTENCE OF FERROMAGNETIC AND PARAMAGNETIC PHASES IN Ti _{0.99557} Fe _{0.00502}	5-uam26	I
11:00AM-12.30AM		Romero	H.	Crystal Growth and Magnetic Properties of the Cu ₂ SnGe ₃ Semiconductor doped Cr.	5-uam27	I
11:00AM-12.30AM		Shim	In-Bo	Doping Effects of Indium Oxide-based Diluted Magnetic Semiconductor Thin Films	5-uam28	I
11:00AM-12.30AM		Goya	G.F.	Magnetic Properties of Fe _{1-x} Cr _{2-x} Se ₄ Solid Solution	5-uam29	I
11:00AM-12.30AM		Kuryliszyn-Kudelska	I.	EFFECT OF ANNEALING ON MAGNETIC AND MAGNETOTRANSPORT PROPERTIES IN Ga _{1-x} Mn _x As EPILAYERS	5-uam30	I
11:00AM-12.30AM		PENA	O.	SUBSTITUTION EFFECTS AND MAGNETIC ORDER IN LITHIUM-BASED SPINELS Li(Ni _{1-x} CO _{2-x}) ₄	5-uam31	I
11:00AM-12.30AM	5-vam	Sankaranarayanan	V.K.	CORRELATION AMONG EXCHANGE COUPLING, SURFACE ROUGHNESS AND JUNCTION SIZE IN MAGNETIC TUNNEL JUNCTIONS	5-vam01	J

11:00AM-12.30AM	5-vam-Magnetic tunnelling junctions II - Chair: R. VAIA; G. Principi	Nagahama	T	AN OSCILLATION OF TMR EFFECT IN MAGNETIC TUNNEL JUNCTIONS WITH A SINGLE-CRYSTAL Cr (001) ELECTRODE	5-vam02	J
11:00AM-12.30AM		Chang	Y. M.	ANOMALOUS MAGNETORESISTIVE BEHAVIOR NEAR FIELDPERPENDICULAR TO PLANE IN Co/Al ₂ O ₃ /CoFe/NiFe MAGNETIC TUNNEL JUNCTIONS	5-vam04	J
11:00AM-12.30AM		Rodary	G.	HOT ELECTRON TRANSPORT IN DOUBLE MAGNETIC TUNNEL JUNCTIONS DEVICE	5-vam05	J
11:00AM-12.30AM		Barnas	J	ELECTRONIC TRANSPORT THROUGH QUANTUM DOTS COUPLED TO FERROMAGNETIC LEADS: FROM COULOMB BLOCKADE TO KONDO EFFECT	5-vam06	J
11:00AM-12.30AM		Sugiyama	M.	TMR EFFECT IN MAGNETIC TUNNEL JUNCTIONS WITH A HALF-METALLIC FERROMAGNET.	5-vam07	J
11:00AM-12.30AM		Niizeki	T.	NANOFABRICATION OF MAGNETIC TUNNEL JUNCTIONS USING ELECTRON BEAM LITHOGRAPHY.	5-vam08	J
11:00AM-12.30AM		Barnas	J	SPIN DIODE DEVICES BASED ON QUANTUM DOTS	5-vam09	J
11:00AM-12.30AM		Ladak	S	TRANSPORT PROPERTIES OF THREE TERMINAL MAGNETIC TUNNEL JUNCTION DEVICES	5-vam10	J
11:00AM-12.30AM		Banerjee	T	A MAGNETIC TUNNEL TRANSISTOR WITH A NATURALLY OXIDIZED TUNNEL BARRIER	5-vam12	J
11:00AM-12.30AM		Baykov	V.I.	Intrinsic defects and transition metal impurities in GaAs	5-vam13	J
11:00AM-12.30AM		Favre-Nicolin	E.	TRANSPORT PROPERTIES OF La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ :Nb INTERFACE	5-vam14	J
11:00AM-12.30AM		Anda	E.V.	SPIN TRANSPORT THROUGH QUANTUM DOTS	5-vam15	J
11:00AM-12.30AM		Martinek	J.	KONDO EFFECT IN QUANTUM DOTS COUPLED TO FERROMAGNETICLEADS	5-vam16	J
11:00AM-12.30AM		Banach	G.	STUDY OF HALF-METALLICITY IN LSMO JUNCTIONS	5-vam17	J
11:00AM-12.30AM		LeClair	P.	COULOMB BLOCKADE AND SPIN ACCUMULATION IN MAGNETIC TUNNEL JUNCTIONS	5-vam18	J

11:00AM-12.30AM	5-vam-Magnetic tunnelling junctions II - Chair: R. VAIA; G. Principi	Xie	S. J.	Spin diffusion and charge transfer through half-metal manganites and conjugated polymer interface	5-vam19	J
11:00AM-12.30AM		Hong	J	Suppression of Zeeman spin splitting by Rashba effect	5-vam20	J
11:00AM-12.30AM		Jeon	D. M.	Annealing Effect on the barrier properties and TMR of Magnetic tunneling junctions fabricated in various oxidation conditions	5-vam21	J
11:00AM-12.30AM		Lu	J.G.	SPIN DEPENDENT TRANSPORT IN FERROMAGNETIC SINGLE ELECTRON TRANSISTOR	5-vam22	J
11:00AM-12.30AM		Zhu	T.	BARRIER THICKNESS DEPENDENT DECAY IN CU INSERTED MAGNETIC TUNNEL JUNCTIONS	5-vam23	J
11:00AM-12.30AM		Xiang	X. H.	BULK CONTRIBUTION TO MAGNETO-RESISTANCE IN CO BASED MAGNETIC TUNNEL JUNCTION	5-vam24	J
11:00AM-12.30AM		Pala	M. G.	Universal Rashba Spin Precession of Two-Dimensional Electrons and Holes	5-vam25	J
11:00AM-12.30AM		Sharma	M.	Inelastic electron tunnelling spectroscopy of magnetic tunnel junctions with AlN and AlON barriers.	5-vam26	J
11:00AM-12.30AM		Santos	T. S.	Tunneling Characteristics of Magnetic Tunnel Junctions with Boron Barriers	5-vam27	J
11:00AM-12.30AM		Oleynik	I.I.	FIRST-PRINCIPLES MODELING OF MAGNETIC TUNNEL JUNCTIONS	5-vam28	J
11:00AM-12.30AM		Belashchenko	K.D.	Spin-dependent tunneling in Co/vacuum/Co magnetic tunnel junctions	5-vam29	J
11:00AM-12.30AM		Brückl	H.	ASYMMETRIC AND NEGATIVE TUNNEL MAGNETORESISTANCE WITH Gd/NiFe ELECTRODES	5-vam30	J
11:00AM-12.30AM		5-wam-Metal-insulator transitions II - Chair: R. VAIA; M.R. Cimberle	Riccò	M.	Metal-to-insulator transition in $(\text{NH}_3)_x\text{NaK}_2\text{C}_6\text{O}$	5-wam01
11:00AM-12.30AM	Kawanaka		H.	Magnetism and resistivity of $\text{LaSrFe}_{1-x}\text{Co}_x\text{O}_4$	5-wam02	C
11:00AM-12.30AM	Hao		L.	Crystal-Lattice Modulation of the Metal-Insulator Transition System $\text{PrRu}_4\text{P}_{12}$ Studied by X-Ray Diffraction	5-wam03	C
11:00AM-12.30AM	Song		J. H.	Cooperative Jahn-Teller effect, resonant x-ray scattering, and anisotropic strains of LaMnO_3 thin films	5-wam04	C

11:00AM-12.30AM	5-wam-Metal-insulator transitions II - Chair: R. VAIA; M.R. Cimperle	Onoda	S.	FINITE-TEMPERATURE MOTT TRANSITIONS IN TWO DIMENSIONS STUDIED BY CORRELATOR PROJECTION METHOD	5-wam05	C
11:00AM-12.30AM		Matsubayashi	K.	THERMAL EXPANSION MEASUREMENT UNDER PRESSURE ON SmS.	5-wam06	C
11:00AM-12.30AM		Takeuchi	J.	Charge and spin ordering in (Nd, Sr)MnO ₃ induced by Cr-doping with oxygen deficiency.	5-wam07	C
11:00AM-12.30AM		Hejtmanek	Jiri	Magnetism, structure and transport of Y _{1-x} Ca _x CoO ₃ and La _{1-x} Ba _x CoO ₃	5-wam08	C
11:00AM-12.30AM		Sedmidubsky	David	Magnetism, transport and charge order in Bi _(1-x) Sr _x MnO ₃	5-wam09	C
11:00AM-12.30AM		Hejtmanek	Jiri	Phase competition in Pr _{0.8-x} La _x Na _{0.2} Mn _{1-y} MeyO ₃	5-wam10	C
11:00AM-12.30AM		Tokunaga	M.	LOCAL MAGNETIZATION AND TRANSPORT PROPERTIES IN PHASE SEPARATED (La,Pr) _{1-x} Ca _x MnO ₃ IN THE VICINITY OF THE PHASE TRANSITION.	5-wam11	C
11:00AM-12.30AM		Su	Y.	Re-examination of charge and orbital ordering in lightly doped La _{1-x} Sr _x MnO ₃ by X-ray scattering	5-wam12	C
11:00AM-12.30AM		CHEIKHROUHOU	A	MAGNETO-TRANSPORT PROPERTIES OF PRASEODYMIUM-DEFICIENT Pr _{0.8-x} Sr _{0.2} MnO ₃ MANGANITES	5-wam13	C
11:00AM-12.30AM		Stasyuk	I.	Thermodynamics for the asymmetric Hubbard model in dynamic mean-field approach	5-wam16	C
11:00AM-12.30AM		Takeshita	N.	REMARKABLE ENHANCEMENT OF CHARGE/ORBITAL ORDERING IN Pr _{0.55} (Ca _{0.76} Sr _{0.24}) _{0.45} MnO ₃ UNDER UNIAXIAL PRESSURE	5-wam17	C
11:00AM-12.30AM		Betsuyaku	K.	ELECTRONIC STRUCTURE AND STRUCTURAL PROPERTIES OF SPINEL COMPOUND CuIr ₂ S ₄	5-wam18	C
11:00AM-12.30AM		Okane	T.	X-ray absorption and photoemission studies of spinel type compound CuIr ₂ S ₄	5-wam19	C
11:00AM-12.30AM		Kawanaka	H.	Metal-insulator transition in Fe substituted SrRuO ₃	5-wam20	C
11:00AM-12.30AM		Deisenhofer	J.	Magnetic properties of GdBaCo ₂ O _{5+x}	5-wam21	C
11:00AM-12.30AM	Galvão	A V	Effect of Mn substitution in Ca ₄ Mn _{3-x} V _x O ₁₀	5-wam23	C	

11:00AM-12.30AM	5-wam-Metal-insulator transitions II - Chair: R. VAIA; M.R. Cimberle	Klimm	S.	EFFECT OF UNIAXIAL STRESS ON THE VERWEY TRANSITION IN Fe ₃ O ₄	5-wam24	C
11:00AM-12.30AM		Fagot-Revurat	Y.	METAL-INSULATOR TRANSITION, CHARGE AND SPIN GAP IN beta-Sr _x V ₆ O ₁₅ (0.5<x<1)	5-wam25	C
11:00AM-12.30AM		Marysko	M.	Charge and orbital ordering in La _{0.84} Sr _{0.16} MnO ₃ manganite	5-wam26	C
11:00AM-12.30AM		Wu	M. K.	MAGNETIC PROPERTIES OF SINGLE CRYSTAL Ba ₂ YRu _{1-x} Cu _x O ₆ DOUBLE PEROVSKITE.	5-wam27	C
11:00AM-12.30AM		Horny	R.	ELECTRONIC TRANSPORT AND STRUCTURAL PROPERTIES OF ELECTRONICALLY CORRELATED CuV ₂ S ₄	5-wam28	C
11:00AM-12.30AM		SAHA	S.R.	ANOMALOUS PHYSICAL PROPERTIES IN FILLED SKUTTERUDITE PrRu ₄ P ₁₂ SINGLE CRYSTAL	5-wam29	C
11:00AM-12.30AM		Sushko	Yuri V	Pressure-temperature-magnetic field phase diagram of the bilayered perovskites Sr ₃ Ru ₂ O ₇ and Ca ₃ Ru ₂ O ₇ probed by SQUID magnetometry and magnetotransport measurements	5-wam30	C
11:00AM-12.30AM		Pavarini	E	MOTT TRANSITION IN 3d ⁿ METAL-OXIDES PEROVSKITES	5-wam31	C
11:00AM-12.30AM		Sinjukow	P.	Modelling the metal-insulator transition in Eu-rich EuO	5-wam34	C
11:00AM-12.30AM		Choi	KY	Raman scattering study of slightly Sr-doped manganites La _{1-x} Sr _x MnO ₃ (x=0.06, 0.09, 0.125 and 0.15)	5-wam35	C
11:00AM-12.30AM		Prodi	A.	Magnetic phase diagram of (NaMn ₃)Mn ₄ O ₁₂	5-wam36	C
11:00AM-12.30AM		Avella	A.	Coupled self-consistent equations for fermionic and bosonic sectors of the Hubbard model	5-wam37	C
11:00AM-12.30AM		Ikeda	S.I.	MAGNETIZATION OF SINGLE CRYSTALLINE STRONTIUM RUTHENATE UNDER UNIAXIAL-PRESSURE	5-wam38	C
11:00AM-12.30AM		Rubele	R.	A study of the t-U-V Hubbard model by means of the Composite Operator Method	5-wam39	C
11:00AM-12.30AM		Capone	M.	Phase separation and Polaron Formation in the Hubbard-Holstein model	5-wam40	C
11:00AM-12.30AM		Wojciechowski	R.J.	Orbital effects within the dynamical mean-field approach	5-wam41	C

11:00AM-12:30AM	5-wam-Metal-insulator transitions II - Chair: R. VAIA; M.R. Cimberle	NAKAMURA	F	PRESSURE INDUCED FERROMAGNETIC METAL IN Ca_2RuO_4	5-wam42	C
11:00AM-12:30AM		Odashima	S.	EFFECTS OF TWO-SITE COMPOSITE EXCITATIONS IN THE HUBBARD MODEL	5-wam43	C
11:00AM-12:30AM		YOSHIZAWA	M.	ULTRASONIC ATTENUATION OF $\text{SmRu}_4\text{P}_{12}$	5-wam44	C
11:00AM-12:30AM		Ohsawa	T.	EFFECT OF ORBITAL ORDERING ON ANISOTROPY OF TRANSPORT PROPERTY OF MANGANITES	5-wam45	C
11:00AM-12:30AM	5-xam-Materials for magnetic recording - Chair: R. VAIA	Panagiotopoulos	I.	(001) TEXTURED CoPt/Ag FILMS AND NANOCOMPOSITES: THE EFFECT OF Ag UNDERLAYERS.	5-xam01	E
11:00AM-12:30AM		NAKAGAWA	S.	SURFACE MORPHOLOGY AND PERPENDICULAR MAGNETIC PROPERTY OF Co/Pd MULTILAYERS	5-xam02	E
11:00AM-12:30AM		KONG	S.H.	MICROSTRUCTURE AND MAGNETIC PROPERTIES IN FeCoB/NiFe DOUBLE LAYER	5-xam03	E
11:00AM-12:30AM		ZHAO	Z.L.	PINNING EFFECTS OF THE PINNING LAYERS ON THE MAGNETIC PROPERTIES OF FEPT PERPENDICULAR MEDIA	5-xam04	E
11:00AM-12:30AM		Takahashi	K.	EFFECTS OF THIRD ELEMENTS $\{Ag, B, Cu, Ir\}$ ADDITION AND HIGH Ar GAS PRESSURE ON L_{10} FePt FILMS	5-xam05	E
11:00AM-12:30AM		Morisako	A	C-AXIS ORIENTED BA-FERRITE THIN FILMS WITH SMALL GRAIN FOR PERPENDICULAR MAGNETIC RECORDING	5-xam06	E
11:00AM-12:30AM		Schoenes	J.	THICKNESS- AND MORPHOLOGY DEPENDENCE OF THE OPTICAL AND MAGNETO-OPTICAL PROPERTIES OF CrPt_3 FILMS	5-xam07	E
11:00AM-12:30AM		Lee	K. E.	PREPARATION OF BORON CARBIDE THIN FILMS FOR HDD PROTECTING LAYER	5-xam08	E
11:00AM-12:30AM		Kakizaki	K.	MAGNETIC PROPERTIES AND FINE STRUCTURE OF $\text{FePt-(C}_4\text{F}_8)_n$ GRANULAR THIN FILMS	5-xam09	E
11:00AM-12:30AM		Nguyen	L T	MAGNETIC AND MICROSTRUCTURAL PROPERTIES OF OBLIQUELY SPUTTERED Co ON DIFFERENT UNDERLAYERS.	5-xam11	E
11:00AM-12:30AM		Shima	H.	Magnetic Anisotropy and Magnetostriction of L_{10} FePd Alloy	5-xam12	E
11:00AM-12:30AM		Yu	C.C.	Annealing effect on the structure and magnetism of $[\text{Fe/Pt/Mn}]_x\text{N}$ films	5-xam13	E

11:00AM-12:30AM	5-xam-Materials for magnetic recording - Chair: R. VAIA	Liao	W.M.	ORDERING ENHANCEMENT OF Cu UNDERLAYER ON CoPt THIN FILMS	5-xam14	E
11:00AM-12:30AM		Lee	Y. H.	ANNEALING EFFECTS ON RESISTANCE AND MAGNETORESISTANCE OF Fe ₃ C NANOGRAINS EMBEDDED IN AMORPHOUS CARBON FILMS	5-xam15	E
11:00AM-12:30AM		Martin-Gonzalez	M.S.	Localized Doping Effects in High Anisotropy Magnetic FePd Alloys	5-xam16	E
11:00AM-12:30AM		Shen	Chia C	MAGNETIC PROPERTIES OF GRANULAR FePt-MgO FILMS	5-xam18	E
11:00AM-12:30AM		ITO	H.	THE STUDY OF THE ORDERING MECHANISM IN FePt THIN FILMS WITH RAPID THERMAL ANNEALING PROCESS	5-xam19	E
11:00AM-12:30AM		Vas'ko	V. A.	Structure-Magnetic Properties Relation in Sputtered and Electrodeposited Films of Ni ₄₅ -50Fe ₅₅ -50	5-xam20	E
11:00AM-12:30AM		Martins	A.	PREPARATION AND CHARACTERISATION OF FCT ORDERED FePt ALLOY BY SPUTTERING ALTERNATING LAYER DEPOSITION	5-xam21	E
11:00AM-12:30AM		Narasimhan	B.R.V	STUDIES ON OXIDATION OF FERROUS CARBONATE AND ITS IMPLICATIONS ON THE SYNTHESIS OF GAMMA FERRIC OXIDE	5-xam22	E
11:00AM-12:30AM		Rickart	Marc	Optimisation of the exchange coupling characteristics of PtMn-CoFe Films prepared by sputtering	5-xam23	E
11:00AM-12:30AM		Seki	T	Fabrication of in-plane magnetized FePt sputtered films with large uniaxial anisotropy	5-xam24	E
11:00AM-12:30AM	5-yam-Low dimensionality, disorder and correlation in quantum systems II - Chair: R. VAIA	Ishii	K.	Resonant x-ray scattering study on the filled skutterudite PrFe ₄ P ₁₂	5-yam01	B
11:00AM-12:30AM		Kataev	V.	MAGNETIC EXCHANGE IN A LOW-DIMENSIONAL COMPLEX OXIDE (Cu,Zn) ₂ V ₂ O ₇	5-yam02	B
11:00AM-12:30AM		Belik	A.A.	MAGNETIC PROPERTIES OF SOME Cu-CONTAINING PHOSPHATES WITH LINEAR 1D CHAINS, LINEAR TRIMER CLUSTERS, AND DIMER CLUSTERS	5-yam03	B
11:00AM-12:30AM		Verdozzi	C.	CONCENTRATION INDUCED MAGNETIC CROSSOVER IN DISORDERED f-ELECTRON CLUSTERS	5-yam04	B
11:00AM-12:30AM		Kawamata	S.	ESR STUDY ON Li ₂ CuO ₂ SINGLE CRYSTAL	5-yam05	B

11:00AM-12.30AM	5-yam-Low dimensionality, disorder and correlation in quantum systems II - Chair: R. VAIA	Booth	C. H.	Local lattice disorder in spin glass and antiferromagnetic URh ₂ Ge ₂	5-yam07	B
11:00AM-12.30AM		Tanaka	A.	Ferromagnetism in the Hubbard Model on a Lattice of Three Coupled Chains	5-yam10	B
11:00AM-12.30AM		Deguchi	H.	PRESSURE-INDUCED ANTIFERROMAGNETIC ORDER IN A QUANTUM SPINLIQUID SYSTEM Cu ₂ (C ₅ H ₁₂ N ₂) ₂ Br ₄	5-yam11	B
11:00AM-12.30AM		CHAKHALIAN	J	LOCAL MAGNETIC SUSCEPTIBILITY OF IMPURITIES IN QUASI-ONE-DIMENSIONAL S ₀ ^{1/2} ANTIFERROMAGNETIC CHAINS INVESTIGATED BY MUON SPIN ROTATION	5-yam12	B
11:00AM-12.30AM		Freeman	P.G.	MAGNETIC PROPERTIES OF CHARGE-ORDERED La ₂ Sr _x NiO _{4+δ} .	5-yam13	B
11:00AM-12.30AM		LEPETIT	M.B.	AB-INITIO STUDY OF THE MAGNETIC COUPLING IN THE INCOMMENSURATE Sr _{14-x} Ca _x Cu ₂₄ O ₄₁ COMPOUND	5-yam14	B
11:00AM-12.30AM		Sullow	S.	MAGNETOTRANSPORT OF THE MODERATELY DISORDERED HEAVY FERMION URH ₂ GE ₂	5-yam15	B
11:00AM-12.30AM		Gippius	A. A.	NMR STUDY OF LOW-DIMENSIONAL V-BASED COMPLEX OXIDES.	5-yam16	B
11:00AM-12.30AM		Typek	J.	MAGNETIC LOW DIMENSIONAL EFFECTS IN (Dy _{0.375} Y _{0.625}) ₂ Cu ₂ O ₅ STUDIED BY EPR SPECTROSCOPY	5-yam18	B
11:00AM-12.30AM		LONG	V.C.	MAGNETIC FIELD-INDUCED CHANGES IN THE ELECTRONIC ABSORPTION INTENSITIES OF NENB	5-yam19	B
11:00AM-12.30AM		Frésard	R.	MICROSCOPIC DERIVATION OF MAGNETIC COUPLING IN Ca ₃ Co ₂ O ₆	5-yam20	B
11:00AM-12.30AM		Garcia	D.J.	Island spin order in the ferromagnetic Kondo lattice	5-yam21	B
11:00AM-12.30AM		Ohmichi	E.	Metamagnetic transitions in the bilayered ruthenates	5-yam22	B
11:00AM-12.30AM		Ivanshin	V.A.	ELECTRON SPIN RESONANCE OF THE LOW-DIMENSIONAL SPIN-SYSTEM Sr ₂ V ₃ O ₉	5-yam23	B
11:00AM-12.30AM		Rosner	H	Crystal field and exchange coupling in edge-shared CuO ₂ chains	5-yam24	B

11:00AM-12.30AM	5-yam-Low dimensionality, disorder and correlation in quantum systems II - Chair: R. VAIA	Choi	J.-H.	89Y NMR AND THERMAL CONDUCTIVITY OF A SPIN-CHAIN SYSTEM, $Ca_{2+X}Y_{2-X}Cu_5O_{10}$	5-yam25	B
11:00AM-12.30AM		Florencio	J.	LONGITUDINAL DYNAMICS OF THE RANDOM EXCHANGE XY MODEL IN ONE-DIMENSION	5-yam26	B
11:00AM-12.30AM		Clemancey	M.	Magnetisation and NMR studies of the new quantum antiferromagnet Mono-methyl Cu(Hp)Cl	5-yam27	B
11:00AM-12.30AM		Voigt	A.	Quantum phase transition in the Plaquette lattice with anisotropic spin exchange	5-yam28	B
11:00AM-12.30AM		Apel	V.M.	KONDO EFFECT IN COUPLED QUANTUM DOT SYSTEMS	5-yam29	B
11:00AM-12.30AM		Alves	T. F. A	Ground state correlations of aperiodic XX chains	5-yam30	B
11:00AM-12.30AM		Anda	E.V.	DOUBLE-QUANTUM-DOT IN THE KONDO REGIME UNDER THE EFFECT OF EXTERNAL FIELDS	5-yam31	B
11:00AM-12.30AM		Macedo	C. A.	MAGNETIC PROPERTIES OF LOW-DIMENSIONAL HALF-FILLED-BAND HUBBARD SYSTEMS	5-yam33	B
11:00AM-12.30AM		Litak	G	Specific Heat of Disordered Superconductors	5-yam34	B
11:00AM-12.30AM		Caprara	S.	FIELD-DRIVEN AND SPONTANEOUS FREEZING OF QUANTUM FLUCTUATIONS IN INTEGER-SPIN ANTIFERROMAGNETIC HEISENBERG CHAINS	5-yam35	B
11:00AM-12.30AM		Lopez-Sandoval	R.	MAGNETIC PROPERTIES OF SMALL CLUSTER AS FUNCTION OF THE GEOMETRY	5-yam36	B
11:00AM-12.30AM		Borejsza	K.	Antiferromagnetism and single-particle properties in the two-dimensional Hubbard model: a non-linear sigma model approach	5-yam37	B
11:00AM-12.30AM		Karnaukhov	Igor N	EXACT SOLUTION OF THE LAI-SUTHERLAND MODEL WITH A RANDOM WALK MAGNETIC IMPURITY.	5-yam38	B
11:00AM-12.30AM		Qu	F	THE EFFECTS OF EXTERNAL MAGNETIC FIELD UPON THE STABILITY OF IONIC MAGNETIC FLUIDS	5-yam8	B
11:00AM-12.30AM		Isobe	M.	Structural and magnetic properties of quasi-1D magnets, NaTiSi ₂ O ₆ and LiTiSi ₂ O ₆ : -Spin-Peierls-like transition driven by orbital order-	5-yam9	B
11:00AM-11.30AM	COFFEE BREAK					

12:30AM-02:00PM	LUNCH					
02:00PM-03:30PM	5-ppm-Rare-earth permanent magnets - Chair: M. CARBUCICCHIO; M. Lo Bue	Hermann	R.	MICROSTRUCTURE EVOLUTION OF ND-FE-B ALLOYS IN CONSIDERATION OF MAGNETOHYDRODYNAMICS	5-ppm01	A
02:00PM-03:30PM		FILIP	O.	Influence of Melt Convection on the Microstructure of Levitated and Undercooled Nd-Fe-B Alloys	5-ppm02	A
02:00PM-03:30PM		Ardisson	Jose	THE EFFECT OF ATMOSPHERE COMPOSITION IN PLASMA NITROGENATION OF SM ₂ FE ₁₇	5-ppm03	A
02:00PM-03:30PM		TAKEDA	K.	MAGNETO-OPTICAL KERR ROTATION SPECTRA IN R ₂ Fe ₁₇ SINGLE CRYSTALS	5-ppm04	A
02:00PM-03:30PM		YAMASHITA	F.	HIGHLY-DENSE RARE-EARTH HYBRID BONDED-MAGNET CONSOLIDATED UNDER A HEAT AND A TRANSVERSE FIELD CONFIGURATION	5-ppm05	A
02:00PM-03:30PM		Tapfer	J.	Thermal Stability of Rare Earth magnet Thick Films	5-ppm06	A
02:00PM-03:30PM		Lileev	A.S.	EFFECT OF ANNEALING ON STRUCTURE AND MAGNETIC PROPERTIES OF RAPIDLY SOLIDIFIED Nd-Fe-B ALLOYS	5-ppm08	A
02:00PM-03:30PM		Raposo	M.T.	MAGNETIC STUDY OF THE Fe-Co-Nb mu AND Nbss PHASES.	5-ppm09	A
02:00PM-03:30PM		Matsumoto	Hiroyu	Microstructure and Magnetic Properties of Spark Plasma Sintered Fe-Cr-Co and Sm ₂ Co ₁₇ Type Magnets	5-ppm10	A
02:00PM-03:30PM		McGuinness	PJ	Magnetic monitoring of the disproportionation process in NdFeB-based materials	5-ppm11	A
02:00PM-03:30PM		Sugimoto	S	MAGNETIC PROPERTIES OF AEROSOL DEPOSITED PERMANENT MAGNET FILMS	5-ppm12	A
02:00PM-03:30PM		Popov	A.G.	ABNORMAL TEMPERATURE DEPENDENCE OF COERCIVITY OF Sm-Co-Fe-Cu-Zr ALLOYS: HISTORY AND CURRENT STATE.	5-ppm13	A
02:00PM-03:30PM		Magen	C.	MAGNETOELASTIC PROPERTIES OF Pr ₂ Co _{17-x} Fe _x COMPOUNDS	5-ppm14	A
02:00PM-03:30PM		Menushenkov	V.P.	HEAT TREATMENT, MICROSTRUCTURE AND COERCIVITY OF (Nd, Dy)-Fe-B BASED PERMANENT MAGNETS	5-ppm15	A

02:00PM-03:30PM	5-ppm-Rare-earth permanent magnets - Chair: M. CARBUCICCHIO; M. Lo Bue	McGuiness	PJ	A comparison of NdPrDyFeBZr magnets produced by sintering and the HDDR process	5-ppm16	A
02:00PM-03:30PM		Fujita	N.	PREPARATION OF Co-Pt ALLOY FILM MAGNETS BY ELECTRODEPOSITION	5-ppm17	A
02:00PM-03:30PM		Kim	E. C.	Mössbauer Study and Magnetic Properties of Co substitution into Nd ₂ Fe ₁₄ B/Fe ₃ B nanocomposite	5-ppm19	A
02:00PM-03:30PM		Zhang	Y	MICROSTRUCTURE, MICROCHEMISTRY, AND COERCIVITY IN Sm-Co-Cu AND Pr-Co-Cu 1:5 ALLOYS	5-ppm20	A
02:00PM-03:30PM		Pastushenkov	Yu.	LOW TEMPERATURE VOLUME MAGNETIZATION DISTRIBUTION IN Nd ₂ Fe ₁₄ B SINGLE CRYSTAL	5-ppm21	A
02:00PM-03:30PM		Fukunaga	H. F	PREPARATION OF HIGH PERFORMANCE PrFeB/f ₀ -Fe NANOCOMPOSITE MAGNETS BY DIRECT JOULE HEATING	5-ppm22	A
02:00PM-03:30PM		Serrona	L.K.E.	EFFECT OF MO AND TI BUFFER LAYERS ON THE STRUCTURE AND MAGNETIC PROPERTIES OF ND-FE-B FILMS PREPARED ON MO, W, TA, NB AND SI SUBSTRATES	5-ppm24	A
02:00PM-03:30PM		Nakano	M. N	ADVANCEMENT IN NdFeB THICK FILM MAGNETS FABRICATED WITH YAG LASER ABLATION SYSTEM	5-ppm25	A
02:00PM-03:30PM		Talijan	N.	PHASE COMPOSITION AND MAGNETIC PROPERTIES OF MELT-SPUN Nd-Fe-B ALLOY	5-ppm26	A
02:00PM-03:30PM		Kalogirou	O.	⁵⁷ Fe MOESSBAUER SPECTROSCOPIC STUDIES OF THE MAGNETIC ANISOTROPY AND SPIN-REORIENTATIONS IN Nd ₃ (Fe _{1-x} Co _x) _{27.7} Ti _{1.3} (0 ≤ x ≤ 0.4)	5-ppm27	A
02:00PM-03:30PM		Negri	D.	PREPARATION OF SINGLE PHASE 3:29 TYPE Nd ₃ Co _{27.5} Ti _{1.5} COMPOUND BY MECHANICAL ALLOYING THE CONSTITUENT 2:17 AND 1:12 BLOCKS. MAGNETIC CHARACTERISATION.	5-ppm28	A
02:00PM-03:30PM		Kim	Y.B.	EFFECTS OF BUFFER LAYER TEMPERATURE ON THE MAGNETIC PROPERTIES OF NdFeB THIN FILM MAGNETS	5-ppm29	A
02:00PM-03:30PM		Litsardakis	G.	MELT SPUN Sm(CoFeCuZrC) _{8.2} RIBBONS FOR HIGH TEMPERATURE MAGNETS	5-ppm30	A
02:00PM-03:30PM		Hilton	J	Field Homogeneity In Permanent Magnet Cylinder Designs	5-ppm31	A

02:00PM-03:30PM	5-ppm-Rare-earth permanent magnets - Chair: M. CARBUCICCHIO; M. Lo Bue	Kim	H.T.	NdFeB THIN ANISOTROPIC MAGNETS OBTAINED BY HOT WORKING PROCESS	5-ppm32	A
02:00PM-03:30PM		Lopez	G.	MAGNETIC BEHAVIOR AT LOW TEMPERATURE AND MÖSSBAUER STUDY OF Nd ₉₅ -XFeXC ₅ ALLOYS (15≤X≤65)	5-ppm33	A
02:00PM-03:30PM		Wyslocki	J.J.	Magnetic properties and intrinsic magnetic parameters of nanocrystalline Sm-Fe-N magnets	5-ppm34	A
02:00PM-03:30PM		Wyslocki	J.J.	Magnetocrystalline anisotropy constants, magnetic domain structure and intrinsic magnetic material parameters of Sm-Mn-Co system alloys	5-ppm35	A
02:00PM-03:30PM		Nakano	M. N	ORDER/DISORDER PHASE COMPOSITE Fe-Pt FILM MAGNETS PREPARED BY RF SPUTTERING	5-ppm36	A
02:00PM-03:30PM		Khlopkov	K.	Interaction domains in die-upset NdFeB magnets in dependence on deformation degree	5-ppm37	A
02:00PM-03:30PM		Yildiz	F.	MAGNETIC PROPERTIES OF Sm-Co/Fe EXCHANGE SPRING MAGNETS	5-ppm38	A
02:00PM-03:30PM		Neu	V.	SmCo PERMANENT MAGNET FILMS PREPARED BY OFF-AXIS PULSED LASER DEPOSITION	5-ppm39	A
02:00PM-03:30PM		Chiriac	H	ANOMALOUS MAGNETIC RELAXATION IN RAPIDLY QUENCHED Nd-Fe-B RIBBONS	5-ppm40	A
02:00PM-03:30PM		Sério	S.	MAGNETIC PROPERTIES OF YFe _x Al _{12-x} (4.4 ≤ x ≤ 5.8)	5-ppm41	A
02:00PM-03:30PM		Machida	K.	Effective Recycling for Rare Earth Sintered Magnet Scraps	5-ppm42	A
02:00PM-03:30PM		Olivetti	E.	MAGNETIC AND STRUCTURAL CHARACTERISATION OF PARTIALLY AMORPHOUS Nd ₇₀ Fe ₂₀ Al ₁₀	5-ppm43	A
02:00PM-03:30PM		TERESHINA	E.	THE EFFECT OF HYDROGEN ON THE THERMAL EXPANSION OF YFe _{11-x} CoxTi COMPOUNDS	5-ppm44	A
02:00PM-03:30PM		5-qpm-Molecular magnetism (phenomena) - Chair: M. CARBUCICCHIO	Arcon	D.	X-BAND ESR STUDY OF A MAGNETIC ORDERING IN SINGLE LAYERS OF QUADRATIC HEISENBERG ANTIFERROMAGNETIC LATTICE	5-qpm01
02:00PM-03:30PM	Willett		R. D.	MAGNETIC BEHAVIOR OF SOME 1D Cu CHAINS	5-qpm02	G
02:00PM-03:30PM	Miyasaka		H.	DESIGN OF Mn(III)-Ni(II) SINGLE-CHAIN MAGNETS BY CONTROLLING OF INTERCHAIN INTERACTIONS	5-qpm03	G

02:00PM-03:30PM	5-qpm-Molecular magnetism (phenomena) - Chair: M. CARBUCICCHIO	Mesa	Jose L	MAGNETIC BEHAVIOUR OF ORGANICALLY TEMPLATED PHOSPHITE COMPOUNDS WITH 3D-TRANSITION METALS	5-qpm04	G
02:00PM-03:30PM		Park	J.-H.	Photoinduced Magnetization in a Thin Fe-CN-Co Film	5-qpm05	G
02:00PM-03:30PM		Fernandez	J.F.	THEORY OF THE MAGNETIZATION PROCESS THROUGH QUANTUM TUNNELING	5-qpm06	G
02:00PM-03:30PM		Paduan-Filho	A.	MAGNETIZATION STEPS FROM A DILUTED HEISENBERG ANTIFERROMAGNETIC CHAIN: THEORY AND EXPERIMENT	5-qpm07	G
02:00PM-03:30PM		Ohba	Masaaki	PRESSURE EFFECT UPON MAGNETIC NATURE OF 2-D AND 3-D CYANIDE-BRIDGED MOLECULAR MAGNETS	5-qpm08	G
02:00PM-03:30PM		Mito	M.	PRESSURE EFFECTS ON SINGLE CHAIN MAGNETS	5-qpm09	G
02:00PM-03:30PM		Papinutto	N	Spin dynamics in ferrimagnetic cobalt-based molecular chains by means of 1H NMR relaxation	5-qpm11	G
02:00PM-03:30PM		Inoue	K.	SYNTHESIS AND PROPERTIES OF CHIRAL 2- AND 3-DIMENSIONAL MOLECULE-BASED FERRIMAGNETS	5-qpm13	G
02:00PM-03:30PM		OVANESYAN	N.S.	STRUCTURAL AND MAGNETIC PROPERTIES OF TWO AND THREE DIMENSIONAL MOLECULE-BASED MAGNETS	5-qpm14	G
02:00PM-03:30PM		Bleuzen	A.	ELECTRON TRANSFER IN $CxCo_4$ $[Fe(CN)_6]_{(x+8)/3}$ PHOTOMAGNETIC PRUSSIAN BLUE ANALOGUES : ROLE OF THE ALCALI CATION.	5-qpm15	G
02:00PM-03:30PM		TRAIN	C.	SELF-ASSEMBLY OF THREE-DIMENSIONAL (3D) OPTICALLY ACTIVE OXALATE-BASED MAGNETS	5-qpm16	G
02:00PM-03:30PM		GRUSELLE	M.	FROM CHIRAL MOLECULAR RECOGNITION TO ENANTIOSELECTIVE SELF-ASSEMBLY OF BIMETALLIC OXALATE BRIDGED TWO-DIMENSIONAL (2D) FERROMAGNETS	5-qpm17	G
02:00PM-03:30PM		Kobayashi	Y.	PRESSURE-INDUCED CHARGE-TRANSFER PHASE TRANSITION IN A MIXED-VALENCE IRON COMPLEX	5-qpm18	G
02:00PM-03:30PM		ITOI	M.	Magnetic Properties of Iron Mixed-valence Complex $(n-C_3H_7)_4N[Fe^{II}Fe^{III}(dto)_3]$ (dithiooxalato : $dto=C_2O_2S_2$)	5-qpm19	G
02:00PM-03:30PM		Weinberger	P.	Novel Supramolecular Iron(II) Spin-Crossover Compounds Based on Bridging Di-Tetrazoles	5-qpm20	G

02:00PM-03:30PM	5-qpm-Molecular magnetism (phenomena) - Chair: M. CARBUCICCHIO	Sessoli	R.	RESONANT QUANTUM TUNNELING OF THE MAGNETIZATION BEYOND THE GIANT SPIN MODEL	5-qpm21	G
02:00PM-03:30PM		Goujon	A.	POLARISED NEUTRON DIFFRACTION STUDIES OF PHOTO-SWITCHABLE SPIN CROSSOVER COMPOUNDS.	5-qpm22	G
02:00PM-03:30PM		Boca	R.	A SOLID-STATE COOPERATIVENESS IN IRON(II) COMPLEXES EXHIBITING THE SPIN CROSSOVER	5-qpm23	G
02:00PM-03:30PM		BOCA	R.	FIELD-INDUCED LEVEL CROSSING STABILIZING A HIGH-SPIN STATE IN A HEPTANUCLEAR IRON(II)-IRON(III) ₆ CLUSTER	5-qpm24	G
02:00PM-03:30PM		Goujon	A.	MAGNETIC METASTABILITY OF THE RAW PHOTO-INDUCED (RPI) MAGNETIC STATE OF PHOTOMAGNETIC ClxCo[Fe(CN) ₆] _y PRUSSIAN BLUE ANALOGUES (Cl=Rb,Cs).	5-qpm25	G
02:00PM-03:30PM		Gaspar	A.	INTERPLAY OF ANTIFERROMAGNETIC COUPLING AND SPIN CROSSOVER IN DINUCLEAR IRON(II) COMPLEXES	5-qpm26	G
02:00PM-03:30PM		Micotti	E	Proton NMR and MuSR investigation of spin dynamics in {Mo72Fe30} molecular clusters.	5-qpm27	G
02:00PM-03:30PM		Kimura	S.	ESR study on spin-crossover complex Mn(taa) using pulsed high magnetic field	5-qpm28	G
02:00PM-03:30PM		GARCIA	Y.	MUON SPIN ROTATION AND PRESSURE MAGNETISATION STUDIES OF [Fe(PHEN) ₂ (NCS) ₂]	5-qpm29	G
02:00PM-03:30PM		Awaga	K.	EFFECTS OF CHEMICAL MODIFICATION ON QUANTUM PHENOMENA OF SINGLE-MOLECULE MAGNETS	5-qpm30	G
02:00PM-03:30PM		Kim	G.	Quantum tunneling of a large spin via exchange interactions in single-molecule magnets: a perturbative approach	5-qpm31	G
02:00PM-03:30PM		Tejada	J.	Quantum Dynamics of Crystals of Molecular Magnets Inside Microwave Resonators	5-qpm32	G
02:00PM-03:30PM		Wernsdorfer	W.	TWO-BODY TUNNEL TRANSITIONS IN Mn ₄ SINGLE-MOLECULE MAGNETS	5-qpm33	G
02:00PM-03:30PM		GARCIA - SANTIAGO	A.	EXPERIMENTAL EVIDENCE OF THE DEPENDENCE OF SPIN TUNNELING ON THE CONCENTRATION OF DISLOCATIONS IN Mn ₁₂ CRYSTALS	5-qpm34	G
02:00PM-03:30PM		5-rpm-Films, multilayers and super-lattices V	Chiriac	H.	MICROSTRUCTURE AND MAGNETIC PROPERTIES OF MULTILAYER Nb/[NdFeB/(NbCu)] _n /Cr FILMS	5-rpm01
02:00PM-03:30PM	Rateo		M.	TEMPERATURE DEPENDENCE OF IN-PLANE UNIAXIAL MAGNETIC ANISOTROPY OF Co/Fe MULTILAYERS.	5-rpm02	B

02:00PM-03:30PM	5-rpm-Films, multilayers and superlattices V - Chair: M. CARBUCCICCHIO; P. Imperatori	Jeong	Jong-	IN SITU LAYER-RESOLVED MAGNETOELASTIC COUPLING AND GROWTH STRESS STUDY OF Co/Pd NANOMULTILAYER FILMS	5-rpm03	B
02:00PM-03:30PM		Sakurai	Y.	Unidirectional Anisotropy and Spin-configurations in Ferro/Antiferromagnetic Exchange Coupled Layers with Fcc(100) and Fcc(111) Interfaces	5-rpm04	B
02:00PM-03:30PM		ZHOU	S.M.	MAGNETIC RELAXATION AND FERROMAGNETIC RESONANCE OF Co/Pt MULTILAYERS	5-rpm05	B
02:00PM-03:30PM		Rüdt	C.	HIGHER HARMONICS OF THE AC-SUSCEPTIBILITY IN ULTRATHIN FILM MULTILAYERS.	5-rpm06	B
02:00PM-03:30PM		Kim	S. W	BLOCKING EFFECT OF Mn DIFFUSION IN NiFe/FeMn/NiFe MULTILAYERS	5-rpm07	B
02:00PM-03:30PM		Telling	N.D.	EFFECT OF LOCAL VARIATIONS IN INTERLAYER COUPLING ON MAGNETIZATION REVERSAL IN SPIN-VALVE MULTILAYERS	5-rpm08	B
02:00PM-03:30PM		NEAMTU	J.	INFLUENCE OF GRAIN SIZE ON THE MAGNETO-TRANSPORT PROPERTIES OF MAGNETIC THIN FILM MULTILAYERS	5-rpm09	B
02:00PM-03:30PM		Nakatani	R.	APPEARANCE OF FERROMAGNETISM IN MULTILAYERS INCLUDING Mn LAYERS.	5-rpm10	B
02:00PM-03:30PM		Chihaya	H.	Effect of Seed Layers on the Structure of Co/Cu(100) Metallic multilayers	5-rpm11	B
02:00PM-03:30PM		Croonenborghs	B.	Interlayer exchange coupling in MBE-grown Fe/CsCl ₂ /57FeSi/Fe sandwiches	5-rpm12	B
02:00PM-03:30PM		Suenaga	K.	TEMPERATURE DEPENDENCE OF ELECTRICAL RESISTIVITY OF Co/Cu MULTILAYERS AT STATIC MAGNETIC FIELD	5-rpm13	B
02:00PM-03:30PM		Jiko	N.	GROWTH-ORIENTATION DEPENDENCE OF MAGNETIC PROPERTIES OF Cr-BASED MULTILAYERS WITH Sn MONATOMIC LAYERS	5-rpm14	B
02:00PM-03:30PM		Pereira Júnior	J. M.	DIPOLE-EXCHANGE SPIN WAVES IN HETEROSTRUCTURES WITH A NON-MAGNETIC SPACER.	5-rpm15	B
02:00PM-03:30PM		Paniago	R.	GMR and CEMS study of Fe/Au multilayers	5-rpm16	B
02:00PM-03:30PM		Kruglyak	V.V.	TIME DOMAIN STUDY OF SPIN EXCITATIONS IN A MAGNETIC TRILAYER	5-rpm17	B
02:00PM-03:30PM		Blomqvist	P.	Exchange bias in MnPd/Fe nanoscale heterostructures	5-rpm18	B
02:00PM-03:30PM		Tugushev	V.	THE EFFECT OF PROXIMITY-INDUCED SPIN DENSITY WAVE ORDER AND INTERFACE ROUGHNESS ON MAGNETIC COUPLING IN Fe/Cr MULTILAYERS	5-rpm20	B
02:00PM-03:30PM		Lott	D.	MODIFICATION OF THE SPIN DENSITY WAVE OF CR IN FE/CR MULTILAYERS BY INSERTION OF SN STUDIED BY NEUTRON DIFFRACTION	5-rpm21	B

02:00PM-03:30PM	5-rpm-Films, multilayers and superlattices V - Chair: M. CARBUCICCHIO; P. Imperatori	Haberkorn	N.	DISORDER INFLUENCE OVER THE MAGNETIC PROPERTIES IN LSMO / STO SUPERLATTICES	5-rpm22	B
02:00PM-03:30PM		SOROKA	I.L.	MAGNETIC PROPERTIES OF Fe ₈₁ Ni ₁₉ /Co (001) SUPERLATTICES	5-rpm23	B
02:00PM-03:30PM		Andersson	G.	On the interdiffusion and magnetic properties of Fe _{0.82} Ni _{0.18} /V (001) superlattices	5-rpm24	B
02:00PM-03:30PM		Chern	G.	LAYER-THICKNESS DEPENDENCE AND INTERFACE EFFECT IN FERRIMAGNETIC/ANTIFERROMAGNETIC Fe ₃ O ₄ /CoO SUPERLATTICES	5-rpm25	B
02:00PM-03:30PM		Ustinov	V.V.	ANISOTROPY INDUCED MULTI-KINK MAGNETIC STATES AND SURFACE SPIN-FLOP PHASE IN FINITE-SIZE ANTIFERROMAGNETIC SUPERLATTICES	5-rpm26	B
02:00PM-03:30PM		Ustinov	V.V.	CRYSTALLOGRAPHY AND MAGNETIC PROPERTIES OF (Fe/Cr)/(100), (110) & (211)MgO SUPERLATTICES	5-rpm27	B
02:00PM-03:30PM		Bak	Z.	INDIRECT MAGNETIC INTERACTIONS IN THE METALLIC SUPERLATTICES. AN EFFECTIVE DIMENSIONALITY APPROACH.	5-rpm28	B
02:00PM-03:30PM		Yamamoto	S.	STM observation and magnetic anisotropy of MBE grown Fe/Pt superlattices.	5-rpm29	B
02:00PM-03:30PM		Angeloni	M.	SrTiO ₃ /SrRuO ₃ superlattices grown by pulsed laser deposition	5-rpm30	B
02:00PM-03:30PM		Zoladz	M.	OBSERVATION OF THE DOMAIN STRUCTURE IN Fe-Au SUPERLATTICE WITH PERPENDICULAR ANISOTROPY	5-rpm31	B
02:00PM-03:30PM		Soriano	S.	MAGNETIC COUPLING IN DHCP Sm/Nd SUPERLATTICES	5-rpm32	B
02:00PM-03:30PM		Lee	S	THE MAGNETIC ORDERING OF Mn IN BCT Fe/Mn SUPERLATTICES.	5-rpm33	B
02:00PM-03:30PM		O'Neill	J. D.	Neutron reflectometry studies of exchange springs in DyFe ₂ /YFe ₂ Superlattices	5-rpm34	B

02:00PM-03:30PM	5-rpm-Films, multilayers and superlattices V - Chair: M. CARBUCICCHIO; P. Imperatori	Abilio	cc	EFFECT OF MAGNETIC FIELD ORIENTATION ON MAGNETIZATION OF (La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃) ₁₅ SUPERLATTICES	5-rpm35	B
02:00PM-03:30PM		Kamali-Moghaddam	S.	Magnetic properties of FeNi/V(001) super-lattice studied by the Mössbauer spectroscopy	5-rpm36	B
02:00PM-03:30PM		STANCIU	V.	INTERLAYER EXCHANGE INTERACTION IN (Ga,Mn)As(Ga,In)As SUPERLATTICES	5-rpm37	B
02:00PM-03:30PM		BILL	A.	MAGNETIC PROPERTIES OF BILAYERS - AN ANALYTICAL DESCRIPTION	5-rpm38	B
02:00PM-03:30PM	5-spm-Magneto-impedance - Chair: M. CARBUCICCHIO; M. Lo Bue	SANDACCI	S.	DYNAMIC CIRCULAR HYSTERESIS IN CO-BASED MORPHOUS MICRO WIRES	5-spm01	D
02:00PM-03:30PM		SANDACCI	S.I.	VALVE-LIKE BEHAVIOUR OF THE MAGNETO-IMPEDANCE IN THE GHZ RANGE	5-spm02	D
02:00PM-03:30PM		Panina	L. V.	MAGNETO IMPEDANCE IN NiFe/Au/NiFe SANDWICH FILMS WITH DIFFERENT TYPES OF ANISOTROPY	5-spm03	D
02:00PM-03:30PM		Tannous	C.T.	GIANT MAGNETOIMPEDANCE IN VITROVAC AMORPHOUS RIBBONS OVER THE (0.3-400 MHz) FREQUENCY RANGE	5-spm04	D
02:00PM-03:30PM		Betancourt	I.	THE TORSIONAL DEPENDENCE OF BIAS FIELD MI RESPONSE OF VANISHING NEGATIVE MAGNETOSTRICTIVE AMORPHOUS WIRE	5-spm05	D
02:00PM-03:30PM		Antonov	A.S.	MAGNETIZATION REVERSAL IN Co-BASED AMORPHOUS MICROWIRES INDUCED BY LONGITUDINAL AC MAGNETIC FIELD.	5-spm06	D
02:00PM-03:30PM		Tannous	C.T.	A NOVEL BROADBAND MEASUREMENT METHOD FOR THE MAGNETOIMPEDANCE OF RIBBONS AND THIN FILMS	5-spm07	D
02:00PM-03:30PM		Kraus	L.	EXCHANGE BIASED GMI VALVE.	5-spm08	D
02:00PM-03:30PM		Fraga	G. L. F.	Magnetoimpedance in the Heusler compounds Pd ₂ MnSn and Pd ₂ MnSb near the Curie temperature	5-spm09	D
02:00PM-03:30PM		Raposo	V.	MAGNETIC AFTER-EFFECT OF THE GIANT MAGNETOIMPEDANCE IN COBALT BASE AMORPHOUS WIRES	5-spm10	D
02:00PM-03:30PM		de Andrade	A. M.	MAGNETOIMPEDANCE OF NiFe/Ag MULTILAYERS IN THE 100kHz – 1.8GHz RANGE	5-spm11	D
02:00PM-03:30PM		FU	Chao	THE IMPEDANCE SPECTROSCOPY OF Fe ₃ C NANOGRAINS EMBEDDED IN CARBON MATRIX	5-spm12	D

02:00PM-03:30PM	5-spm-Magneto-impedance - Chair: M. CARBUCICCHIO; M. Lo Bue	Machado	F. L. A	EVIDENCE OF DYNAMICAL PHASE SEPARATION IN La _{0.6} Y _{0.1} Ca _{0.3} MnO ₃ MANGANITE	5-spm13	D
02:00PM-03:30PM		Yoon	S. S.	Temperature dependence of transverse permeability spectrum on annealed Co-based amorphous ribbon	5-spm15	D
02:00PM-03:30PM		STEREN	L.B.	ANGULAR DEPENDENCE OF LOW-FIELD MAGNETORESISTANCE IN La _{0.55} SrMnO ₃ BICRYSTALLINE FILMS	5-spm16	D
02:00PM-03:30PM		Park	B. J.	Correlation between Anti-Site Disorder and Magnetic Properties in Ordered Perovskite Sr ₂ FeMoO ₆	5-spm17	D
02:00PM-03:30PM		KUZMINSKI	M.	DETAILED STUDY OF GIANT MAGNETO-IMPEDANCE IN Co-BASED METALLIC GLASS RIBBONS	5-spm18	D
02:00PM-03:30PM		Gomez-Polo	C.	Thermal dependence of magneto-impedance in FeCrSiBCuNb nanocrystalline alloy	5-spm19	D
02:00PM-03:30PM		da Silva	R. B.	FMR AND DOMAIN STRUCTURE IN JOULE-HEATED GLASS COVERED MICROWIRES	5-spm20	D
02:00PM-03:30PM		Murgulescu	I.	THE INFLUENCE OF THE PREPARATION CONDITIONS ON THE GMI IN LOW MAGNETOSTRICTIVE AMORPHOUS MICROWIRES	5-spm21	D
02:00PM-03:30PM		Rahman	I. Z.	NUMERICAL MODELLING OF GMI EFFECT IN SOFT MAGNETIC AMORPHOUS RIBBONS	5-spm22	D
02:00PM-03:30PM		Lukaszew	R. A.	EPITAXIAL Ni FILMS, e-BEAM NANOPATTERNING AND BMR.	5-spm23	D
02:00PM-03:30PM		5-tpm-Hybrid memories, MRAMS, spin valves, spintronics - Chair: M. CARBUCICCHIO; A. Paoluzi	Wegrowe	J.-E.	Spin-injection induced magnetization reversal.	5-tpm01
02:00PM-03:30PM	Kikuchi		J.	CONTROLLING OF SPIN ORIENTATION IN A PSEUDO SPIN VALVE MRAM CELL WITH PULSED CONDUCTOR CURRENTS	5-tpm02	C
02:00PM-03:30PM	VERNIER		N.	Domain wall propagation in a magnetic nanowire by spin polarized current injection	5-tpm03	C
02:00PM-03:30PM	Nakatani		R.	PLANED?@ANNULAR DOTS AND CUP-SHAPED DOTS AS NEW CANDIDATES OF MAGNETIC MEMORY CELLS.	5-tpm04	C
02:00PM-03:30PM	Oh		J.H.	A Novel Process Technique in Patterning Magnetic Tunnel Junction for Highly-Manufacturable MRAM.	5-tpm05	C
02:00PM-03:30PM	Kishi		T.	EFFECT OF NOVEL YOKE WIRE ON REDUCING WRITE CURRENT FOR LOW-POWER MRAM APPLICATIONS	5-tpm06	C

02:00PM-03:30PM	5-tpm-Hybrid memories, MRAMS, spin valves, spintronics - Chair: M. CARBUCICCHIO; A. Paoluzi	Koh	G. H.	Fabrication of High Performance 64Kb MRAM	5-tpm07	C
02:00PM-03:30PM		Beaujour	J-M. L	GIANT MAGNETO AND ANISOTROPIC RESISTANCE IN AN EPITAXIAL (110) DyFe ₂ /YFe ₂ MULTILAYER FILM	5-tpm08	C
02:00PM-03:30PM		FABIAN	A.	Current induced two level fluctuation in spin-valves	5-tpm09	C
02:00PM-03:30PM		Bi	Xiaofa	EFFECT OF NON-MAGNETIC LAYER ON THE ANTIFERROMAGNETICAL COUPLING IN NON-EXCHANGE BIASED CO/NM (TA, CU)/NIFE SANDWICHES	5-tpm10	C
02:00PM-03:30PM		Hwang	J. Y.	MAGNETORESISTANCE OF ANTIFERROMAGNET CoFe/Ru/CoFe/IrMn TOP SPIN VALVE WITH THERMAL STABILITY	5-tpm11	C
02:00PM-03:30PM		Rhee	J. R.	MAGNETORESISTANCE OF IrMn-BASED TOP, BOTTOM, AND DUAL SPIN VALVES	5-tpm12	C
02:00PM-03:30PM		Yoon	S. Y	THERMAL STABILITY OF Mn-Ir BASED SPECULAR SPIN VALVE STRUCTURE	5-tpm13	C
02:00PM-03:30PM		Volmer	M.	HALL EFFECT IN PERMALLOY BASED THIN FILMS AND MAGNETIC MULTILAYERS	5-tpm14	C
02:00PM-03:30PM		Stanescu	D	MAGNETIZATION REVERSAL DYNAMICS IN NIO/CO/CU/CO/NIFE SPIN VALVE ELEMENTS	5-tpm15	C
02:00PM-03:30PM		Guo	Z.B.	ENHANCEMENT OF MAGNETORESISTANCE IN SPIN VALVES WITH ION SPUTTERED SI SUBSTRATES	5-tpm16	C
02:00PM-03:30PM		Lee	C. G.	EFFECT OF ANNEALING ON GMR AND DOMAIN STRUCTURE STABILIZATION IN A Py/Cu/Py/MnIr SPIN VALVE.	5-tpm17	C
02:00PM-03:30PM		Luciński	TL	MAGNETORESISTANCE EFFECT IN ASYMMETRIC DUAL-SPIN-VALVES – A DEVICE FOR THREE STATE LOGIC.	5-tpm18	C
02:00PM-03:30PM		Ventura	J. O.	IMPACT OF THE MAGNETISM OF NANO OXIDE LAYERS ON THE GMR EFFECT IN SPECULAR SPIN VALVES.	5-tpm19	C
02:00PM-03:30PM		Eckert	J. C.	Effects of oxygen concentration in cobalt/cobalt oxide exchanged-coupled spin valves	5-tpm20	C
02:00PM-03:30PM		Wang	Hai	UP TO 50000% BALLISTIC MAGNETORESISTANCE IN NI NANOCONTACTS ELECTRODEPOSITED IN GAPS OF PERMALLOY WIRES	5-tpm21	C
02:00PM-03:30PM		Kerr	E.	THE INFLUENCE OF SCALING ON GMR AND NOISE IN SPIN VALVE DEVICES	5-tpm22	C

02:00PM-03:30PM	5-tpm-Hybrid memories, MRAMS, spin valves, spintronics - Chair: M. CARBUCCICCHIO; A. Paoluzi	Roman	C.	MAGNETIC PROPERTIES OF HEXAGONAL $Y(1-X)Li(X)MnO_3$ ($0 < X < 0.18$) SOLID SOLUTIONS	5-tpm23	C
02:00PM-03:30PM		Jeon	D. M.	EFFECT OF NANO OXIDE LAYER ON EXCHANGE BIAS AND GMR IN MN-IR-PT BASED SPIN VALVE	5-tpm24	C
02:00PM-03:30PM		Pina	E.	THERMAL EVOLUTION OF MAGNETIZATION REVERSAL PROCESSES IN TRAINED AND NON-TRAINED NANOCRYSTALLINE EXCHANGE BIASED $Ni_{80}Fe_{20}$ /CO-O BILAYERS	5-tpm25	C
02:00PM-03:30PM		Sohatsky	V.P.	MAGNETOELECTRONIC PROPERTIES OF SPIN-VALVES / SEMICONDUCTOR STRUCTURES	5-tpm26	C
02:00PM-03:30PM		Zhang	S.	Thermal Activation in the Presence Spin Transfer Torque	5-tpm27	C
02:00PM-03:30PM		BERTACCO	R.	ELECTRONIC AND MAGNETIC PROPERTIES OF THE $Fe/ZnSe(001)$ AND $Fe/GaAs(001)$ INTERFACES	5-tpm28	C
02:00PM-03:30PM		Imamura	H	CONTROL OF SPIN CONFIGURATION IN SEMICONDUCTOR ARTIFICIAL MOLECULES BY SPIN FIELD EFFECT TRANSISTORS	5-tpm29	C
02:00PM-03:30PM		MOTIZUKI	K.	STABILITY OF MAGNETIC PHASES IN $Zn_{1-x}M_xTe$ AND $Zn_{1-x}M_xO$ ($M = V, Cr, Mn, Fe, Co$) STUDIED BY FIRST-PRINCIPLES AND OPTICAL PROPERTIES OF $Zn_{0.75}Cr_{0.25}Te$	5-tpm31	C
02:00PM-03:30PM		FERNANDEZ-ROSSIER	J.	THEORY OF LASER INDUCED MAGNETIZATION SWITCHING IN GAAS . MN	5-tpm32	C
02:00PM-03:30PM		Continenza	A.	MN HEUSLER ALLOYS AND THEIR JUNCTIONS WITH GE AND GAAS: ROLE OF STRUCTURAL DEFECTS ON THEIR HALF-METALLIC CHARACTER	5-tpm33	C
02:00PM-03:30PM		Hwang	W. J.	SPIN TRANSPORT IN A LATERAL SPIN-INJECTION DEVICE WITH AN FM/Si/FM JUNCTION	5-tpm34	C
02:00PM-03:30PM		GOVERNALE	M.	PUMPING SPIN WITH ELECTRICAL FIELDS	5-tpm35	C
02:00PM-03:30PM		Bobo	J.F.	SPIN INJECTION EFFICIENCY FROM Co TO GaAs: AN EXPERIMENTAL STUDY WITH SPIN-LEDS.	5-tpm36	C
02:00PM-03:30PM		Fischer	S.F.	Thermomagnetic irreversibility study of epitaxial Fe films grown on $InAs(100)$	5-tpm37	C
02:00PM-03:30PM		Bebenin	N.G.	INVERSE SPIN POPULATION NEAR FERROMAGNET/NONMAGNETIC SEMICONDUCTOR CONTACT	5-tpm38	C

02:00PM-03:30PM	5-tpm-Hybrid memories, MIRAMS, spin valves, spintronics - Chair: M. CARBUCICCHIO; A. Paoluzi	Wang	H.	COHERENT RAMAN SCATTERING FROM ELECTRON SPIN COHERENCE IN GaAs QUANTUM WELLS	5-tpm39	C
02:00PM-03:30PM		Pakes	C.I.	Progress towards the development of a solid-state nuclear-spin quantum computer	5-tpm40	C
02:00PM-03:30PM		Shikoh	E.	TIME RESOLVED LUMINESCENCE PROPERTIES OF Alq3 FOR SPIN-INJECTION INTO ORGANIC SEMICONDUCTOR	5-tpm41	C
02:00PM-03:30PM		Ionicioiu	R.	A MESOSCOPIC SPIN POLARIZING BEAM SPLITTER	5-tpm42	C
02:00PM-03:30PM		Ney	A.	EVOLUTION OF STRESS AND MAGNETISM DURING THE FIRST-ORDER PHASE TRANSITION OF MnAs/GaAs(001)	5-tpm43	C
02:00PM-03:30PM		Carvello	B.	TRANSPORT PROPERTIES OF THE Fe3O4 INTERFACE WITH METALLIC Nb:SrTiO3.	5-tpm44	C
02:00PM-03:30PM		D'Amico	I.	EFFECT OF THE COULOMB INTERACTION ON SPIN INJECTION IN SEMICONDUCTOR STRUCTURES	5-tpm45	C
02:00PM-03:30PM		Jang	S	SI-BASED MAGNETIC TUNNELING TRANSITOR WITH HIGH TRANSFER RATIO	5-tpm46	C
02:00PM-03:30PM		RUDZINSKI	W.	SPIN-POLARIZED ELECTRONIC TRANSPORT IN A SPIN-VALVE BASED ON A QUANTUM DOT	5-tpm47	C
02:00PM-03:30PM	5-upm-Strongly correlated semiconductors and insulators - Chair: M. CARBUCICCHIO; A. Paoluzi	TSVELIK	A.M.	THE COULOMB BLOCKADE IN NANOTUBES WITH HALF-FILLED BAND AND ORBITAL ANTIFERROMAGNETISM	5-upm01	F
02:00PM-03:30PM		CAUSA	M.T.	Magnetic, Electric, and Structural Properties of the Half-Doped Manganite Y1/2Ca1/2MnO3	5-upm02	F
02:00PM-03:30PM		ALTSHULER	T.S.	Electron spin resonance in a single crystal YbB12	5-upm03	F
02:00PM-03:30PM		Kobayashi	Y.	MAGNETIC AND TRANSPORT PROPERTIES IN RECo ₃ SINGLE CRYSTALS (RE = La, Pr, Nd)	5-upm06	F
02:00PM-03:30PM		Ku	H. C.	A-TYPE ANTIFERROMAGNETIC ORDER, 2D FERROMAGNETIC FLUCTUATION AND ORBITAL ORDER IN STOICHIOMETRIC La _{1-x} EuxMnO ₃	5-upm07	F
02:00PM-03:30PM		TAKABATAKE	T.	Structural and Electronic Interplay in the Gap Formation in	5-upm08	F

02:00PM-03:30PM	5-upm-Strongly correlated semiconductors and insulators - Chair: M. CARBUCICCHIO; A. Paoluzi	YAKIMOV	L.	Exact Spectrum Of Fermi-type Quasiparticles In Ferromagnetic Kondo-Anderson Lattice	5-upm09	F
02:00PM-03:30PM		Wada	S.	NMR INVESTIGATION OF THE COPPER SPIN-CLUSTER COMPOUNDS BaCuO _{2.00} and BaCuO _{2.14}	5-upm10	F
02:00PM-03:30PM		Weisse	A.	LATTICE AND ORBITAL EFFECTS IN DOPED CMR MANGANITES	5-upm11	F
02:00PM-03:30PM		Mukhin	A. A.	EFFECT OF RARE-EARTH IONS ON MAGNETIC PROPERTIES AND SPIN EXCITATIONS IN MANGANITES	5-upm12	F
02:00PM-03:30PM		Korolyov	A.V.	ANISOTROPY OF MAGNETIC PROPERTIES IN LaMnO ₃ SINGLE CRYSTALS.	5-upm14	F
02:00PM-03:30PM		Ivanov	V. Yu.	SPONTANEOUS AND FIELD-INDUCED PHASE TRANSITIONS IN Sm _{0.5} Sr _{0.5} MnO ₃ CRYSTALS	5-upm15	F
02:00PM-03:30PM		Ghoshray	A.	⁵⁹ CO NMR STUDIES IN DOPED COBALTITES	5-upm16	F
02:00PM-03:30PM		Mazzoli	C.	NMR-NQR OF ORBITALLY ORDERED KCuF ₃	5-upm17	F
02:00PM-03:30PM		Sidorenko	A.A.	Comparison of ⁵⁵ Mn NMR, MuSR and neutron diffraction in LaMnO ₃	5-upm18	F
02:00PM-03:30PM		Suter	A.	ANTIFERROMAGNETIC TRANSITION IN EPITAXIAL STRAINED La ₂ CuO ₄ THIN FILMS	5-upm19	F
02:00PM-03:30PM		Filippi	M.	LOCAL STRUCTURAL RESPONSE OF THE CHARGE AND SPIN ORDERING IN THE La _{2-x} Sr _x NiO ₄ SYSTEM	5-upm20	F
02:00PM-03:30PM		Mignot	J.-M.	SPIN-GAP BEHAVIOR AND LOW-ENERGY MAGNETIC EXCITATION SPECTRUM IN THE KONDO INSULATOR YbB ₁₂	5-upm22	F
02:00PM-03:30PM		Corti	M.E.	CORRELATED SPIN DYNAMICS IN FeSi FROM ²⁹ Si NMR RELAXATION AND SHIFT.	5-upm23	F
02:00PM-03:30PM		Nakano	T.	Spin cant model of ferromagnetism in potassium clusters incorporated in zeolite LTA	5-upm25	F
02:00PM-03:30PM	Kiniwa	D.	muSR STUDY OF FERROMAGNETISM IN POTASSIUM CLUSTERS INCORPORATED IN ZEOLITE LTA	5-upm26	F	

02:00PM-03:30PM	5-upm-Strongly correlated semiconductors and insulators Paoluzi	Zajac	T.	Electron Spin Resonance in iron- substituted manganites $\text{La}_{0.67}\text{Ca}_{0.33}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$	5-upm27	F
02:00PM-03:30PM		Osborn	R.	Inelastic Neutron Scattering Study of the Orbital Phase Transition in $\text{La}_{-4}\text{Ru}_{-2}\text{O}_{\{10\}}$	5-upm28	F
02:00PM-03:30PM		Stocks	G. M.	STUDIES OF LOCALIZATION IN Sr_2RuO_4 AND Ca_2RuO_4	5-upm29	F
02:00PM-03:30PM		Patterson	C.H.	SPIN POLARON ELECTRONIC STRUCTURE OF $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$.AND $\text{La}_{0.333}\text{Ca}_{0.667}\text{MnO}_3$:UHF AND CI CALCULATIONS	5-upm30	F
02:00PM-03:30PM		Morimoto	S.	MÖSSBAUER STUDY OF CHARGE DISPROPORTIONATE BaFeO_{3-y} AND $\text{Ba}_{0.9}\text{Sr}_{0.1}\text{FeO}_{3-y}$ WITH 6H-PEROVSKITE STRUCTURE	5-upm31	F
02:00PM-03:30PM		Lee	D K K	Dissipation in Quantum Hall Bilayers	5-upm32	F
02:00PM-03:30PM		Menzel	D.	Ultraviolet Photoemission Spectroscopic and Magnetic Properties of $\text{Fe}_{(1-x)}\text{Co}_{(x)}\text{Si}$ Single Crystals	5-upm33	F
02:00PM-03:30PM		Perkins	N.B.	Phase diagram for the double perovskite $\text{Sr}_{-2}\text{FeWO}_{-6}$.	5-upm34	F
02:00PM-03:30PM		Brinckmann	J.	Description of spin fluctuations in the 2D Heisenberg model at finite temperature using the auxiliary-fermion approach.	5-upm35	F
02:00PM-03:30PM		Itoh	M.	ORBITAL ORDERING IN YTiO_3 : Ti NMR IN A SINGLE CRYSTAL	5-upm36	F
02:00PM-03:30PM		Koike	Y.	MAGNON THERMAL CONDUCTIVITY IN THE SPIN-GAP STATE AND THE ANTIFERROMAGNETICALLY ORDERED STATE OF LOW-DIMENSIONAL COPPER OXIDES.	5-upm37	F
02:00PM-03:30PM		Kawae	T.	Low-temperature properties of dilute quadrupolar system $\text{Pr}_{\{x\}}\text{La}_{\{1-x\}}\text{Pb}_{\{3\}}$	5-upm38	F
02:00PM-03:30PM		Yoshida	Y.	LOW TEMPERATURE PROPERTIES BELOW 1K OF SINGLE CRYSTALLINE $\text{Sr}_3\text{Ru}_2\text{O}_7$	5-upm39	F
02:00PM-03:30PM		Fujine	Y.	MAGNETISM AND THERMOELECTRICITY IN $\text{La}_{1-x}\text{Sr}_x(\text{Co}_{1-z}\text{M}_z)\text{O}_3$ SYSTEM (M:3d TRANSITION METAL).	5-upm40	F
02:00PM-03:30PM		5-vpm-Nanocrystalline and fine-particle materials	VARGAS	J.M.	Effect of the Interactions of Controlled-size Iron-Iron Oxide Nanoparticles Obtained by Chemical Methods	5-vpm01
02:00PM-03:30PM	AZEVEDO		R.B.	HIGH RESOLUTION SCANNING ELECTRON MICROSCOPY OF MAGNETITE NANOPARTICLES IMMERSSED IN POLYMERIC TEMPLATE	5-vpm02	J

02:00PM-03:30PM	5-vpm-Nanocrystalline and fine-particle materials - Chair: M. CARBUCICCHIO; P. Imperatori	Oka	H	Effects of Humidity on the Magnetic and Woody Characteristics of Powder type Magnetic Wood	5-vpm03	J
02:00PM-03:30PM		Sort	J.	ROLE OF STACKING FAULTS IN THE STRUCTURAL AND MAGNETIC PROPERTIES OF BALL MILLED COBALT	5-vpm04	J
02:00PM-03:30PM		Lachowicz	H.K.	Magnetic phases in Co-Cu nanogranular structures	5-vpm05	J
02:00PM-03:30PM		Scholz	W.	Numerical Micromagnetic Simulation of Fe-Pt Nanoparticles with Multiple Easy Axes	5-vpm06	J
02:00PM-03:30PM		Brandl	A.L.	STUDY OF ANHYSTERETIC MAGNETIC LOOPS OF CO _{0.35} (SiO ₂) _{0.65} GRANULAR FILM	5-vpm07	J
02:00PM-03:30PM		Gonzalez	J.M.	THERMALLY ACTIVATED DEMAGNETIZATION IN ELONGATED OXIDE COATED METAL PARTICLES	5-vpm08	J
02:00PM-03:30PM		Makhlouf	S. A.	MAGNETIC PROPERTIES OF Cr ₂ O ₃ NANOPARTICLES	5-vpm09	J
02:00PM-03:30PM		Han	S.	SOFT MAGNETIC PROPERTIES AND HIGH FREQUENCY CHARACTERISTICS OF FE BASED NANOCRYSTALLINE FILMS	5-vpm10	J
02:00PM-03:30PM		Jianu	A.	EFFECTS OF Zr AND Ti SUBSTITUTIONS ON THE CRYSTALLIZATION PROCESSES AND MAGNETIC PROPERTIES OF Fe ₃ B/Nd ₂ Fe ₁₄ B NANOCOMPOSITE MAGNETIC SYSTEM	5-vpm11	J
02:00PM-03:30PM		NIKITIN	L.V.	MAGNETOOPTICAL PROPERTIES OF NICKEL AND COBALT FINE PARTICLES STRUCTURES	5-vpm12	J
02:00PM-03:30PM		Petrov	A.	Critical Indexes for Magnetic Phase Transition in Ni Fine Particles	5-vpm13	J
02:00PM-03:30PM		Kollár	P.	THE INFLUENCE OF MAGNETIC ANISOTROPY CAUSED BY LASER TREATMENT ON MAGNETIC PROPERTIES OF FINEMET	5-vpm14	J
02:00PM-03:30PM		Füzer	J.	THE EFFECT OF CRYSTALLINE Fe ADDITION ON THE STRUCTURE AND MAGNETIC PROPERTIES IN Co BASED AMORPHOUS MATERIALS	5-vpm15	J
02:00PM-03:30PM		Zhang	D.M.	fabrcation of Fe-6.5wt%Si compact with plasticity by spark plasma sintering	5-vpm16	J
02:00PM-03:30PM		Hirotsu	Y.	MAGNETOANISOTROPY, LONG-RANGE ORDER PARAMETER AND THERMAL STABILITY OF ISOLATED L ₁₀ FePt NANOPARTICLES WITH MUTUAL FIXED ORIENTATION	5-vpm17	J
02:00PM-03:30PM		Srinivas	V.	MAGNETIC PROPERTIES OF MECHANICALLY ALLOYED CoC FINE PARTICLES.	5-vpm18	J

02:00PM-03:30PM	5-vpm-Nanocrystalline and fine-particle materials - Chair: M. CARBUCICCHIO; P. Imperatori	Tian	S.	FMR STUDIES ON RAPIDLY SOLIDIFIED BORON SUBSTITUTED FeZrMn ALLOY	5-vpm19	J
02:00PM-03:30PM		Sohn	J.C.	NANOGRANULAR Co-Fe-Al-O SPUTTERED THIN FILMS FOR MAGNETOELASTIC DEVICE APPLICATIONS IN THE GHz FREQUENCY RANGE	5-vpm20	J
02:00PM-03:30PM		Korvánek	I.	TEMPERATURE EVOLUTION OF COERCIVEFIELD AND THERMAL RELAXATION EFFECTS IN NANOCRYSTALLINEFeNbB ALLOYS.	5-vpm21	J
02:00PM-03:30PM		Varga	L. K.	MICROSTRUCTURE AND MAGNETIC PROPERTIES OF Fe85-xCoxNb5B8P2 HIGH TEMPERATURE NANOCRYSTALLINE ALLOY	5-vpm22	J
02:00PM-03:30PM		Simon	F.	CORE LOSSES OF NANO-CRYSTALLINE ALLOY AFTER FLASH STRESS ANNEALING	5-vpm23	J
02:00PM-03:30PM		Mryasov	Oleg	A model of magnetization thermal fluctuations in mono-domain FePt particles.	5-vpm24	J
02:00PM-03:30PM		Spasova	M.	TEMPERATURE DEPENDENCE OF EXCHANGE ANISOTROPY IN MONODISPERSE COBALT NANOPARTICLES WITH COBALT OXIDE SHELL.	5-vpm25	J
02:00PM-03:30PM		Fnidiki	a	MAGNETIC PROPERTIES OF MECHANICALLY ALLOYED Fe100-xCrx POWDER MIXTURES.	5-vpm26	J
02:00PM-03:30PM		Stognei	O.V.	MAGNETIC PROPERTIES OF GRANULAR METAL-DIELECTRIC NANOCOMPOSITES	5-vpm27	J
02:00PM-03:30PM		Martin Rodriguez	D.	Studies on the influence of the order-disorder transition on the magnetic properties of FeAl alloys	5-vpm28	J
02:00PM-03:30PM		Park	D.G.	MICROSTRUCTURAL DEPENDENCE OF BARKHAUSEN NOISE IN THE NEUTRON IRRADIATED REACTOR PRESSURE VESSEL STEEL	5-vpm29	J
02:00PM-03:30PM		ZHANG	D.	microstructure and magnetic properties of mechanically alloyed Fe74.5Nb3Si13.5B9 powders	5-vpm30	J
02:00PM-03:30PM		Mallégo	S.	Size dependence and field-induced magnetic anisotropy of granular nanophases.application to microwave isolation	5-vpm31	J
02:00PM-03:30PM		Choi	D. H.	MOSSBAUER STUDIES OF BaFe11Al1019 BY A WET CHEMICAL PROCESS	5-vpm32	J
02:00PM-03:30PM		5-wpm-Interdisciplinary	Godoy Morais	J.P.M	MAGNETIC RESONANCE INVESTIGATION OF MAGNETIC LABELED BAKER'S YEAST CELLS	5-wpm01
02:00PM-03:30PM	Tedesco		AC	INVESTIGATION OF THE BINDING CONSTANT AND STOICHIOMETRY OF BIOCOMPATIBLE COBALT FERRITE-BASED MAGNETIC FLUIDS TO SERUM ALBUMIN	5-wpm02	I

02:00PM-03:30PM	5-wpm-Interdisciplinary - Chair: M. CARBUCICCHIO; G.B. Fratucello	Takeuchi	T.	MAGNETIC ORIENTATION OF BULL SPERMS IN STATIC HIGH MAGNETIC FIELD	5-wpm03	I
02:00PM-03:30PM		Florez	M.	MAGNETIC STIMULATION ON FIRST STAGES OF GROWTH OF BARLEY (<i>Hordeum vulgare</i> , L.) AND CORN (<i>Zea mays</i> , L.) SEEDS.	5-wpm04	I
02:00PM-03:30PM		Gorobets	S.V.	INTENSIFICATION OF THE PROCESS OF SORPTION OF COPPER IONS BY YEAST OF <i>SACCHAROMYCES CEREVISIAE</i> 1968 BY MEANS OF A PERMANENT MAGNETIC FIELD	5-wpm05	I
02:00PM-03:30PM		Mykhaylyk	Olga	ON THE MAGNETIC ORDERING OF THE IRON STORAGE PROTEINS IN TISSUES	5-wpm06	I
02:00PM-03:30PM		AZANZA	M.J.	NEURONE BIOELECTRIC ACTIVITY UNDER MAGNETIC FIELDS OF VARIABLE FREQUENCY IN THE RANGE OF 0.1 TO 80 Hz	5-wpm07	I
02:00PM-03:30PM		FERREIRA	L.P.	EPR AND MAGNETIZATION STUDIES ON METALLOPROTEINS FROM <i>DESULFOVIBRIO SALEXIGE</i>	5-wpm08	I
02:00PM-03:30PM		GERSTMAN	B.	MAGNETIC EFFECTS IN THE STRUCTURE AND FUNCTION OF BIOMOLECULES	5-wpm09	I
02:00PM-03:30PM		Fermin	J. R.	EFFECTS OF LOW DC MAGNETIC FIELDS ON BACTERIA <i>S. aureus</i>	5-wpm10	I
02:00PM-03:30PM		LACAVA	G.M.	EVALUATION OF IN VIVO OXIDATIVE STRESS INDUCED BY A DOUBLE-COATED MAGNETIC FLUID	5-wpm11	I
02:00PM-03:30PM		LACAVA	G.M.	IN VIVO INVESTIGATION OF COBALT FERRITE-BASED MAGNETIC FLUID AND MAGNETOLIPOSOMES USING MORPHOLOGICAL TESTS	5-wpm12	I
02:00PM-03:30PM		Guedes	M. H.	PROPOSAL OF A NEW MAGNETOHYPERTHERMIA SYSTEM: PRELIMINARY BIOLOGICAL TESTS	5-wpm13	I
02:00PM-03:30PM		Slawska-Waniewska	A.	Magnetic studies of iron-entities in human tissues	5-wpm14	I
02:00PM-03:30PM		Konishi	K.	NUMERICAL STUDY OF TEMPERATURE DISTRIBUTION IN TISSUE FOR THERMAL COAGULATION THERAPY	5-wpm16	I
02:00PM-03:30PM		Konishi	K.	HEATING FERRITE POWDER WITH AC MAGNETIC FIELD FOR THERMAL COAGULATION THERAPY	5-wpm17	I
02:00PM-03:30PM		Lacava	Z. G.	PHYSICAL AND BIOLOGICAL TESTS OF CITRIC ACID-COATED MAGNETITE NANOPARTICLES INJECTED IN SWISS MICE	5-wpm18	I

02:00PM-03:30PM	5-wpm-Interdisciplinary - Chair: M. CARBUCICCHIO; G.B. Fratucello	Lee	S.-J	NANOPARTICLES OF MAGNETIC FERRIC OXIDES ENCAPSULATED WITH POLY(D,L LACTIDE-CO-GLYCOLIDE) AND THEIR APPLICATIONS TO MAGNETIC RESONANCE IMAGING CONTRAST AGENT	5-wpm19	I
02:00PM-03:30PM		Lacava	L. M.	LONG-TERM RETENTION OF DEXTRAN-COATED MAGNETITE NANOPARTICLES IN THE LIVER AND SPLEEN	5-wpm20	I
02:00PM-03:30PM		Ibarra	M.R.	Magnetic artificial sphincter	5-wpm21	I
02:00PM-03:30PM		CREANGA	D.E.	ZERO-MAGNETIC FIELD EFFECT IN PATHOGEN BACTERIA	5-wpm22	I
02:00PM-03:30PM		GICH	M.	MOLECULAR NANOMAGNETS AS CONTRAST AGENTS FOR MAGNETIC RESONANCE IMAGING	5-wpm23	I
02:00PM-03:30PM		Gorobets	S.V.	PERMANENT MAGNETIC FIELD AS AN ACCELERATOR OF CHEMICAL REACTION AND AN INITIATOR OF ROTATIONAL MOTION OF ELECTROLYTE FLOWS NEAR THIN STEEL WIRE	5-wpm24	I
02:00PM-03:30PM		Baryakhtar	V.G.	VELOCITY DISTRIBUTION IN ELECTROLYTE IN THE VICINITY OF A METAL CYLINDER IN A STEADY MAGNETIC FIELD.	5-wpm25	I
02:00PM-03:30PM		Atalay	F. E.	THE EFFECT OF NICKEL ELECTRODEPOSITION ON MAGNETIC PROPERTIES OF CoFeSIB AMORPHOUS WIRE	5-wpm26	I
02:00PM-03:30PM		CAVALLOTTI	P.	ELECTRODEPOSITION OF COBALT PLATINUM ALLOYS MICROMAGNETS	5-wpm27	I
02:00PM-03:30PM		Nikolic	N.D.	INFLUENCE OF THE MAGNETIC FIELD ON THE ELECTRODEPOSITION OF NI NANOCONTACTS IN THIN FILMS AND MICROWIRES	5-wpm28	I
02:00PM-03:30PM		Heresanu	V.	Influence of the morphology on the magnetism of iron arborescences	5-wpm29	I
02:00PM-03:30PM		PEROV	N.S.	INVESTIGATIONS OF THE MAGNETIC FIELD EFFECT ON ELECTROCHEMICAL PROCESSES	5-wpm30	I
02:00PM-03:30PM		Gomez-Paccard	M	LOW TEMPERATURE AND HIGH MAGNETIC FIELD MEASUREMENTS OF ATMOSPHERIC PARTICULATE MATTER	5-wpm31	I
02:00PM-03:30PM		Silva	L. P.	APPLICATION AND CHARACTERIZATION OF FERROFLUID MODIFIED <i>Saccharomyces cerevisiae</i> CELLS.	5-wpm32	I
02:00PM-03:30PM		Yermakov	A.Ye.	MAGNETO-MODIFIED CATALYST ON THE BASE OF NANOCRYSTALLINE CuO	5-wpm33	I

02:00PM-03:30PM	5-xpm-Applications III - Chair: M. CARBUCICCHIO	SINCAI	M.	The Protection against sun radiations by using some magnetic nanocompounds	5-xpm02	H
02:00PM-03:30PM		SINCAI	M.	The antitumoral effect of the magnetic nanoparticles in bitch mammary adenocarcinoma	5-xpm03	H
02:00PM-03:30PM		Chen	C.-Y.	NUMERICAL SIMULATIONS OF LABYRINTHINE INSTABILITIES ON MISCIBLE MAGNETIC FLUIDS	5-xpm04	H
02:00PM-03:30PM		Garg	V. K.	MÖSSBAUER STUDY OF IRON-NITRIDE-BASED MAGNETIC FLUID	5-xpm05	H
02:00PM-03:30PM		MORAIS	P.C.	MAGNETIZATION OF ZERO-FILED-FROZEN DEXTRAN COATED MAGNETITE BASED MAGNETIC FLUID	5-xpm06	H
02:00PM-03:30PM		SANTOS	J.G.	MAGNETITE-BASED BIOCOMPATIBLE MAGNETIC FLUID: TEMPERATURE AND CONCENTRATION INVESTIGATION USING MANGETIC RESONANCE	5-xpm07	H
02:00PM-03:30PM		OKA	H	MANUFACTURING METHODS AND MAGNETIC CHARACTERISTICS OF MAGNETIC WOOD	5-xpm08	H
02:00PM-03:30PM		Tronconi	AL	PHOTOACOUSTIC SPECTROSCOPY OF COBALT FERRITE-BASED MAGNETIC FLUIDS	5-xpm09	H
02:00PM-03:30PM		Park	S.I.	A STUDY ON PHOTOSENSITIZER-COATED MAGNETIC FLUIDS FOR BIOLOGICAL APPLICATION	5-xpm10	H
02:00PM-03:30PM		Zimmermann	K.	TRAVELLING WAVE ON A FREE SURFACE OF A MAGNETIC FLUID LAYER.	5-xpm11	H
02:00PM-03:30PM		Scholz	T.	FORCE ENHANCEMENT MEASUREMENTS ON A FERROFLUIDDRIVEN LINEAR STEPPING MOTOR MODEL.	5-xpm12	H
02:00PM-03:30PM		Buluy	O.	STABLE SUSPENSION OF ULTRA-FINE MAGNETIC ARTICLES IN THE NEMATIC LIQUID CRYSTAL	5-xpm13	H
02:00PM-03:30PM		Brusentsov	N.A.	MAGNETISATION OF FERRIFLUIDS AND EFFECTS OF INTRACELLULAR DEPOSITION OF FERRITE NANOPARTICLES.	5-xpm14	H
02:00PM-03:30PM		Oka	H	Magnetic Characteristics of Laminated Impregnated Magnetic Wood from DC to 13.5 GHz Band	5-xpm15	H
02:00PM-03:30PM		Buioca	C.D.	TOROIDAL ELECTRIC MOTOR WITH MAGNETIC FLUID	5-xpm16	H

02:00PM-03:30PM	5-xpm-Applications III - Chair: M. CARBUCCICCHIO	Kopcansky	Peter	The structural transitions in ferronematics in combined electric and magnetic fields.	5-xpm18	H
02:00PM-03:30PM		Soler	M.A.G	STRUCTURAL STABILITY STUDY OF COBALT FERRITE-BASED NANOPARTICLE USING MICRO RAMAN SPECTROSCOPY	5-xpm20	H
02:00PM-03:30PM		Atodiresei	M.	YIELD STRESS IN A FLUIDIZED BED STABILIZED WITH A COMPOUND MAGNETIC FIELD	5-xpm21	H
02:00PM-03:30PM		YAMAGUCHI	H	CHARACTERISTICS OF THERMO-MAGNETIC DRIVEN MOTOR MAGNETIC FLUID.	5-xpm22	H
02:00PM-03:30PM		Rodríguez-Fernández	O.S.	PREPARATION OF MAGNETIC LATEXES USING STYRENE MONOMER AND THEIR MAGNETICAL PROPERTIES	5-xpm23	H
02:00PM-03:30PM		Timko	Milan	The physical properties of the biocompatible ionic stabilized magnetic fluids.	5-xpm24	H
02:00PM-03:30PM		Sousa	M. H.	MODIFIED MAGNETIC PROPERTIES OF FERRITE NANOPARTICLES INDUCED BY THE CHEMICAL SURFACE TREATMENT DURING THE FERROFLUID ELABORATION	5-xpm25	H
02:00PM-03:30PM		Iusan	V.	MAGNETOFLUIDIC EFFECTS USABLE FOR SENSORS ACHIEVEMENT	5-xpm26	H
02:00PM-03:30PM		Potocova	Ivana	EXPERIMENTAL STUDY OF DC DIELECTRIC BREAKDOWN STRENGTH IN MAGNETIC FLUIDS	5-xpm27	H
02:00PM-03:30PM		Lee	Hyo S	Preparation of Water based Magnetic Fluid with the Spent Iron Catalyst by Mechanochemical Method	5-xpm28	H
02:00PM-03:30PM		Kristiansen	K.d.L.	BRAID THEORY AND ZIPF RELATION USED IN DYNAMICS OF MAGNETIC MICROPARTICLES.	5-xpm29	H
02:00PM-03:30PM		Pelegri	F.	FERROMAGNETIC RESONANCE OF FERRITE FERROFLUIDS AT HIGH MICROWAVE POWER LEVELS	5-xpm30	H
02:00PM-03:30PM		Pereira	AR	MAGNETIC RESONANCE OF FIELD-FROZEN AND ZERO-FIELD-FROZEN MAGNETIC FLUIDS	5-xpm31	H
02:00PM-03:30PM		Mohallem	N.D.S	CHARACTERIZATION OF FERROFLUID SYNTHESIZED FROM CYCLODEXTRIN AND MAGNETITE	5-xpm32	H
02:00PM-03:30PM		Kobe	S.	NUCLEATION AND CRYSTALLIZATION IN TURBULENT FLOW AND MAGNETIC FIELDS	5-xpm33	H

02:00PM-03:30PM	5-xpm-Applications III - Chair: M. CARBUCICCHIO	CASANOVA	F.-	Energy Dissipation at the Magnetoelastic Transition in Gd ₅ (Si _x Ge _{1-x}) ₄	5-xpm34	H
02:00PM-03:30PM		NOBREGA	E.P.	Magnetocaloric effect in doped rare earth intermetallics: a Monte Carlo study	5-xpm35	H
02:00PM-03:30PM		Yu	S.C.	LARGE MAGNETIC ENTROPY CHANGE IN A La _{0.8} Ca _{0.2} MnO ₃ SINGLE CRYSTAL	5-xpm36	H
02:00PM-03:30PM		Hossain	Zakir	FIRST ORDER VALENCE TRANSITION AND BAROCALORIC EFFECT IN EuNi ₂ (Si _{1-x} Ge _x) ₂	5-xpm37	H
02:00PM-03:30PM		Leib	J.	MAGNETIC RELAXATION AND INDIRECT EXCHANGE ASSOCIATED WITH THE FIRST ORDER MAGNETIC/MARTENSITIC CURIE POINT TRANSITION IN Gd ₅ (Ge _x Si _{1-x}) ₄	5-xpm38	H
02:00PM-03:30PM		Fujieda	S.	DIRECT MESUREMENT OF MAGNETOCALORIC EFFECTS IN ITINERANT-ELECTRON METAMAGNETS La(FexSi _{1-x}) ₁₃ COMPOUNDS AND THEIR HYDRIDES.	5-xpm39	H
02:00PM-03:30PM		Sousa	J.B.	Unusual critical behaviour of the electrical resistivity near the 1st-order magnetostructural transition of Gd ₅ (Si _{0.1} Ge _{0.9}) ₄ .	5-xpm40	H
02:00PM-03:30PM		Plaza	E. J. F.	MAGNETIC AND MAGNETOCALORIC PROPERTIES OF Nd MONOPnictides	5-xpm41	H
02:00PM-03:30PM		Campoy	J. C. F.	EXPERIMENTAL STUDY OF THE MAGNETOCALORIC EFFECT IN Gd ₅ Sn ₂ Si ₂ COMPOUND	5-xpm42	H
02:00PM-03:30PM		Tegus	O	TUNING OF THE MAGNETO-CALORIC EFFECT IN MnFe(P,As) BY SUBSTITUTION	5-xpm43	H
02:00PM-03:30PM		Alves	C. S.	INFLUENCE OF HYDROGEN ON THE MAGNETIC BEHAVIOUR OF Gd ₅ Ge ₂ Si ₂ H _x ALLOYS, 0.1 ≤ x ≤ 2.5	5-xpm44	H
02:00PM-03:30PM		Straessle	Th.	Pressure as an alternative to magnetic fields in magnetic cooling	5-xpm45	H
02:00PM-03:30PM		Reis	M. S.	POSITIVE AND 'COLOSSAL' MAGNETOCALORIC EFFECT DUE TO THE CHARGE-ORDERING ON CMR MANGANITES	5-xpm46	H
02:00PM-03:30PM		Gomes	A. M.	MAGNETOCALORIC EFFECT ON THE Pr _{0.68} -Gd _y Ca _{0.32} MnO ₃ MANGANITE	5-xpm47	H
02:00PM-03:30PM		FRUCHART	D.	STRUCTURAL AND MAGNETIC SPECIFICATIONS OF METALLIC PHOSPHO-ARSENIDES OF MANGANESE-IRON: A PERFORMANT SERIES OF MAGNETOCALORIC COMPOUNDS	5-xpm48	H
02:00PM-03:30PM		Goleman	R.	Microscopic model of particles' capture by the elliptic collector in magnetic separator	5-xpm49	H

02:00PM-03:30PM	5-xpm-Applications III - Chair: M. CARBUCICCHIO	Stanci	A.	DESULPHURATION AND DEMINERALIZATION OF COAL USING MAGNETIC SEPARATION	5-xpm50	H
02:00PM-03:30PM		Iusan	V.	MAGNETOFLUIDIC SENSOR BASED ON MAGNETIC TRAP	5-xpm51	H
02:00PM-03:30PM		Hamler	A.	PASSIVE MAGNETIC BEARINGS	5-xpm52	H
02:00PM-03:30PM		MORAIS	P.C.	INVESTIGATION OF THE NANOPARTICLE COATING-LAYER EFFECT ON THE PARTICLE INTERACION IN BIOCOMPATIBLE MAGNETIC FLUIDS	5-xpm53	H
02:00PM-03:30PM		Magen	C.	NEUTRON DIFFRACTION UNDER MAGNETIC FIELD NEAR THE MAGNETOSTRUCTURAL TRANSITION IN Tb ₅ (SixGe _{1-x}) ₄	5-xpm54	H
03:00PM-03:30PM	TEA BREAK					
03:30PM-04:00PM	5-E-Surfaces, films and multilayers II - Chair: B. Heinrich H. Szymczak	KRUSIN-ELBAUM	L.	Deroughening of a 1D Domain Wall in Ultrathin Magnetic Films by a Correlated Defect	5E1	PLENARY HALL
04:00PM-04:30PM		CARBONE	C	MAGNETISM OF SURFACE NANOSTRUCTURES BY X-RAY CIRCULAR MAGNETIC DICHOISM	5E2	PLENARY HALL
04:30PM-04:45PM		Molodtsov	S.L.	MAGNETIC OSCILLATIONS IN PHOTOEMISSION SPECTRA OF Cr/Fe(100) AND Cr/W(100)	5E3	PLENARY HALL
04:45PM-05:00PM		Beach	G. S.	A NEW HIGH MAGNETIZATION IRON OXIDE PHASE IN METAL/NATIVE OXIDE MULTILAYERS	5E4	PLENARY HALL
05:00PM-05:15PM		Gallego	J.M.	GROWTH, STRUCTURAL AND MAGNETIC CHARACTERIZATION OF EPITAXIAL IRON NITRIDES THIN FILMS	5E5	PLENARY HALL
05:15PM-05:30PM		Kato	H.	STRUCTURE AND MAGNETISM IN NANOCRYSTALLINE Ca(La) _{B_6} FILMS.	5E6	PLENARY HALL
05:30PM-05:45PM		Vaterlaus	A.	DOMAIN CONFIGURATION IN PERPENDICULARLY MAGNETIZED ATOMICALLY THIN IRON PARTICLES	5E7	PLENARY HALL
03:30PM-04:00PM	5-F-Nanostructures and magnetic nanoparticles II - Chair: P. Nordblad E. Tronc	NOGUES	J.	COERCIVITY AND SQUARENESS ENHANCEMENT BY FERROMAGNETIC - ANTIFERROMAGENTIC EXCHANGE COUPLING	5F1	AULA MAGNA
04:00PM-04:30PM		MAKAROVA	T. L.	MAGNETISM IN POLYMERIZED FULLERENES	5F2	AULA MAGNA
04:30PM-04:45PM		Buntinx	D.	Magnetoresistance of a mesoscopic NiFe ring: comparison between simulation and experiment	5F3	AULA MAGNA
04:45PM-05:00PM		Sachrajda	A.S.	SPIN TEXTURES IN FEW ELECTRON QUANTUM DOTS	5F4	AULA MAGNA

05:00PM-05:15PM	5-F-Nanostructures and magnetic nano-particles II - Chair: P. Nordblad; E. Tronc	Ono	K.	Observation and control of the vortex chirality in mesoscopic disk magnets	5F5	AULA MAGNA	
05:15PM-05:30PM		Luis	F.	XMCD study of the anisotropy of nanometric Co clusters in insulating and metallic matrices	5F6	AULA MAGNA	
05:30PM-05:45PM		Stepanov	V.I.	NONLINEAR MAGNETODYNAMICS OF A SINGLE-DOMAIN PARTICLE: THE HIGH-BARRIER APPROXIMATION	5F7	AULA MAGNA	
03:30PM-04:00PM	5-G-Micromagnetic modeling and magnetization - Chair: K. Guslienko G. Bertotti	CHAPMAN	J N	SWITCHING OF SMALL MAGNETIC ELEMENTS AND ELEMENT ARRAYS	5G1	AULA LEONARDO	
04:00PM-04:30PM		FIDLER	J.	MICROMAGNETIC MODELING AND MAGNETIZATION PROCESSES	5G2	AULA LEONARDO	
04:30PM-04:45PM		Gutfleisch	O	COERCIVITY ANALYSIS OF MELT-SPUN SmCo 2:17-TYPE MAGNETS	5G3	AULA LEONARDO	
04:45PM-05:00PM		Solzi	M.	FLUX REVERSAL IN HARD-SOFT COMPOSITE MAGNETS	5G4	AULA LEONARDO	
05:00PM-05:15PM		Roshko	R. M.	Critical Behaviour and Irreversibility in a Substituted Perovskite Ca _{0.6} Sr _{0.4} RuO ₃	5G5	AULA LEONARDO	
05:15PM-05:30PM		Serpico	C.	ANALYTICAL STUDY OF PRECESSIONAL SWITCHING IN UNIFORMLY MAGNETIZED BODIES	5G6	AULA LEONARDO	
05:30PM-05:45PM		Hertel	R.	RESONANT MODES OF VORTEX STRUCTURES IN SOFT MAGNETIC NANODISCS	5G7	AULA LEONARDO	
03:30PM-04:00PM		5-H-Advanced magneto-optical effects and dichroism - Chair: S.A. Nikitov F. D'Orazio	GRANOVSKY	A.B.	SPIN-DEPENDENT TUNNELING AT INFRARED FREQUENCIES: MAGNETOREFRACTIVE EFFECT IN MAGNETIC NANOCOMPOSITES.	5H1	AULA GALILEO
04:00PM-04:30PM	FIEBIG		M.	NONLINEAR OPTICS - A POWERFUL TOOL FOR THE INVESTIGATION OF MAGNETIC STRUCTURES	5H2	AULA GALILEO	
04:30PM-04:45PM	L'abbe		C.	Depth-selective magnetization measurement by means of x-ray magnetic hyperfine spectroscopy.	5H3	AULA GALILEO	
04:45PM-05:00PM	Ferriani		P.	ANGULAR RESOLVED RESONANT INELASTIC X-RAY SCATTERING: INTENSITY AND DICHROISM FROM 3d TRANSITION METALS IN SPECIAL GEOMETRIES.	5H4	AULA GALILEO	
05:00PM-05:15PM	Srajer		G.	Experimental Confirmation of a Surface-Driven Twisted Magnetic State in a Fe/Gd Multilayer	5H5	AULA GALILEO	
05:15PM-05:30PM	Oppeneer		P.M.	X-ray magneto-optical reflection spectroscopy of buried antiferromagnetic films	5H6	AULA GALILEO	
05:30PM-05:45PM	5-H	Jaouen	N	Influence of the structure of Fe on the interfacial spin and orbital induced moments of Ir in Fe/Ir multilayers	5H7	AULA GALILEO	
05:45PM-06:00PM	CONCLUDING REMARKS					PLENARY HALL	