

JEMS 2013

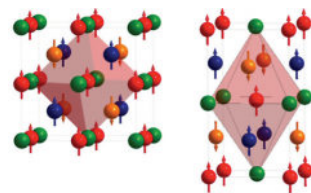
Joint European
Magnetic Symposia



25-30 August 2013

Rodos Palace Convention Center **RHODES**, Greece

FINAL PROGRAMME



JEMS2013 - PROGRAMME AT A GLANCE

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SUNDAY 25/8	16:00-20:00	REGISTRATION		
	19:00-21:00	WELCOME RECEPTION- Swimming Pool		
MONDAY 26/8	08:45-09:00	Room JUPITER Opening and Welcome Address		
	09:00-09:45	Room JUPITER Keynote Speaker : Prof. Dr. A. FERT		
	09:45-10:30	Room JUPITER Semiplenary Speaker: G.E.BAUER	Room DELPHI Semiplenary Speaker: M. GIBERT	
	10:30-11:00	Coffee Break		
	11:00-13:00	Room SALON DES ROSES A SYMPOSIUM 5.1	Room SALON DES ROSES B SYMPOSIUM 1.1	Room DELPHI SYMPOSIUM 4.1
				Room NEFELI SYMPOSIUM 6.1
	13:00-16:15	Break / 15.45-16.15 Coffee Break		
	16:15-18:30	Room SALON DES ROSES A SYMPOSIUM 5.2	Room SALON DES ROSES B SYMPOSIUM 1.2	Room DELPHI SYMPOSIUM 4.2
				Room NEFELI SYMPOSIUM 3.1
	19:00-21:00	POSTER SESSION - A (Buffet Dinner)		
TUESDAY 27/8	09:00-09:45	Room JUPITER Plenary Speaker : L. HEYDERMAN		
	09:45-10:30	Room JUPITER Semiplenary Speaker: M. GUBBINS	Room DELPHI Semiplenary Speaker: H. BRUECKL	
	10:30-11:00	Coffee Break		
	11:00-13:00	Room SALON DES ROSES A SYMPOSIUM 5.3	Room SALON DES ROSES B SYMPOSIUM 6.2	Room DELPHI SYMPOSIUM 4.3
				Room NEFELI SYMPOSIUM 3.2
	13:00-16:15	Break / 15.45-16.15 Coffee Break		
	16:15-17:00	Room JUPITER Semiplenary Speaker: J. ACKERMAN		
	17:00-19:00	Room SALON DES ROSES A SYMPOSIUM 1.3	Room SALON DES ROSES B SYMPOSIUM 6.3	Room DELPHI SYMPOSIUM 4.4 (MATERIALS FOR ENERGY)
				Room NEFELI SYMPOSIUM 3.3
	19:00-19:30	Anne de Baas PhD, MBA Programme Officer- EC NMP-Materials: Horizon 2020 - Opportunities in Magnetism		
19:30-21:00	POSTER SESSION - B (Buffet Dinner)			
WEDNESDAY 28/8	09:00-09:45	Room JUPITER Plenary Speaker : K. KRISHNANN		
	09:45-10:30	Room JUPITER Semiplenary Speaker: F. GAZEAU	Room DELPHI Semiplenary Speaker: T. JUNGWIRTH	
	10:30-11:00	Coffee Break		
	11:00-13:00	Room SALON DES ROSES A SYMPOSIUM 5.4	Room SALON DES ROSES B SYMPOSIUM 2.1	Room DELPHI SYMPOSIUM 8.1
				Room NEFELI SYMPOSIUM 3.4
	13:00-16:15	Break / 15.45-16.15 Coffee Break		
	16:15-17:00	Room JUPITER Plenary Speaker: T. RASING		
	17:00-19:00	Room SALON DES ROSES A SYMPOSIUM 5.5	Room SALON DES ROSES B SYMPOSIUM 2.2	Room DELPHI SYMPOSIUM 8.2
				Room NEFELI SYMPOSIUM 3.5
20:00-24:00	CONFERENCE DINNER/ Keynote Speaker: St. PARKIN			
THURSDAY 29/8	09:00-09:45	Room JUPITER Plenary Speaker: S. YUASA		
	09:45-10:30	Room JUPITER Semiplenary Speaker: W. WERNSDORFER	Room DELPHI Semiplenary Speaker: A. MAIGNAN	
	10:30-11:00	Coffee Break		
	11:00-13:00	Room SALON DES ROSES A SYMPOSIUM 5.6	Room SALON DES ROSES B SYMPOSIUM 2.3	Room DELPHI SYMPOSIUM 7.1
				Room NEFELI SYMPOSIUM 9.1
	13:00-16:15	Break / 15.45-16.15 Coffee Break		
	16:15-18:30	Room SALON DES ROSES A SYMPOSIUM 8.3	Room SALON DES ROSES B SYMPOSIUM 2.4	Room DELPHI SYMPOSIUM 7.2
				Room NEFELI SYMPOSIUM 9.2
19:00-21:00	POSTER SESSION - C (Buffet Dinner)			
FRIDAY 30/8	08:30-09:15	Room JUPITER Plenary Speaker : O.HELLWIG		
	09:15-10:00	Room JUPITER Semiplenary Speaker: L. SCHULTZ	Room DELPHI Semiplenary Speaker: J. RUSZ	
	10:00-10:30	Coffee Break		
	10:30-12:15	Room SALON DES ROSES A SYMPOSIUM 5.7	Room SALON DES ROSES B SYMPOSIUM 7.3	Room DELPHI SYMPOSIUM 2.5
				Room NEFELI SYMPOSIUM 9.3
	12:30-13:00	Room JUPITER CLOSING CEREMONY: S. BADER		
	13:15-13:30	AWARDS-CLOSING REMARKS- JEMS2016		

SYMPOSIA ID: Symposia full name

SYMPOSIUM 1: Spin Electronics

SYMPOSIUM 3: Magnetism in metal alloys and intermetallics

SYMPOSIUM 5: Magnetic nanostructures, surfaces, interfaces, molecular nanomagnets

SYMPOSIUM 7: Strongly correlated electron systems including magnetism and superconductivity

SYMPOSIUM 9: Multiferroics, frustrated and disordered magnets

SYMPOSIUM 2: Magnetization dynamics and magnetization processes

SYMPOSIUM 4: Magnetic materials for Energy

SYMPOSIUM 6: Magnetic recording, sensors and microwave devices

SYMPOSIUM 8: Medical, biomedical, biomagnetic and biotechnology applications

Conference Address: Rodos Palace Hotel, Rhodes, Greece

WELCOME

Dear Colleagues,

Welcome to the **Joint European Magnetic Symposia** to be held in Rhodes, GREECE from 25th-30th of August 2013.

The Joint European Magnetic conferences are the most important and comprehensive events on magnetism in Europe. Previous JEMS conferences took place in Grenoble (2001), Dresden (2004), San Sebastian (2006), Dublin (2008), Krakow (2010) and Parma (2012).

This conference series addresses the international magnetism community, which is invited to attend and submit its latest findings to JEMS2013. The Symposia will focus on a broad range of topics embracing fundamental aspects and applications of magnetism, as well as novel magnetic materials. The conference programme consists of plenary, semi-plenary, invited and oral sessions, complemented by poster sessions. Cross-disciplinary sessions will also be included. Students attendance is strongly encouraged and efforts will be to secure partial or full support to selected candidates.

JEMS2013 is a EPS sponsored conference jointly organized by the NCSR DEMOKRITOS and the JEMS Committee.

On behalf of the Organizing Committee we are happy to welcome you to Rhodes, and to JEMS 2013.

Dr. D. Niarchos

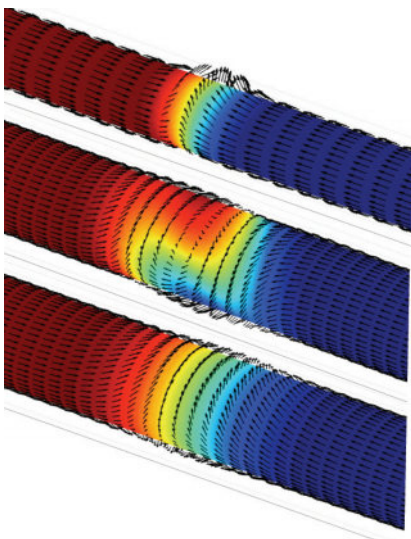
Chairman

Prof. G. Hadjipanayis

Prof. O. Kalogirou

Co-Chairmen

JEMS2013



INFORMATION

Secretariat Opening Hours

Sunday, August 25 th , 2013	16:00 – 20:00	Monday, August 26 th , 2013	08:00 – 21:00
Tuesday, August 27 th , 2013	08:30 – 21:00	Wednesday, August 28 th , 2013	08:30 – 19:00
Thursday, August 29 th , 2013	08:30 – 21:00	Friday, August 30 th , 2013	08:00 – 14:00

- During lunch breaks secretariat will be closed

Registration Fee - on site

Regular Participant (non-EPS)	590€	Regular Participant (EPS Members)	550€
Student/Retired	380€	Accompanying Person	120€

Registration fees for regular, student and retired participants include:

- Admission to all scientific sessions
- Admission to poster and technical exhibition
- Congress materials (badge, delegate bag, final program and abstract book)
- Proceedings
- Coffee breaks
- Welcome Reception

Registration fees for accompanying persons include:

- Complimentary Shopping Bag
- Welcome Reception
- Rhodes-Hald Day Tour on August 27th

Please note that “accompanying person fees” do not include attendance to the scientific, poster and technical sessions.

Tour desk

A tour desk will operate next to the Conference Secretariat. Please do not hesitate to ask for more information.

Congress Badges

All participants and accompanying persons must wear the Congress' identification badge in a visible place. Entrance to meeting halls, poster and exhibition areas will not be permitted to any person without a congress badge.

Smoking Policy

Smoking is not permitted in all inside areas of the congress venue.

Electric Voltage

The standard in Greece is 220 volts. Appliances from North America require a transformer and British ones an adaptor.

Liability and Insurance

The organizers cannot be held responsible for accidents to conference participants or accompanying persons, for damage, or loss of personal property and for potential cancellation expenses. Participants are kindly advised to carry out their own insurance arrangements during their stay in Greece.

Banks & Currency

Greece is a full member of the European Monetary Union, thus the official currency is Euro. Most banks are open Monday through Friday from 8:00 am to 2:30 pm. Banks offer exchange services within the town of Rhodes as well as in other popular resort areas. In order to exchange cash or travellers' cheques you need to have your passport with you, or other valid ID. In addition, the Congress' Venue Rodos Palace Hotel, as well as most hotels in Rhodes have exchange offices on their front desks.

Shopping

Visitors from countries outside the European Union can reclaim VAT on goods purchased in tax-free shops when leaving the country. Rhodes is the ideal destination to shop for a wide variety of products, catering to everybody's tastes and wishes. Prices are quite reasonable in relation to product quality and visitors will be able to find something for every budget. Shops are open Monday, Wednesday & Friday from 08.30 - 14.30 hours and Tuesday, Thursday and Friday from 08.30 - 13.30 and from 17.30 through 20.30. On Saturday shops open from 09.00 till 15.00, while they are closed on Sunday. Certain supermarkets and kiosks may stay open till 22.00 or even later at night, seven days a week.

Tipping

For taxi and restaurants the service charge is included in the price. You may add a tip at your own discretion to indicate appreciation of exceptionally good service.

Post Office

Post offices are open from 07.30 - 14.00 hours (Monday - Friday).

Climate and Clothing

The climate in Rhodes is Mediterranean mild. In August, the weather is warm during the whole day, but for all outdoor evening events, a light sweater is advisable. For up to date weather report please visit the Hellenic Weather Report Service at www.emy.gr

Interesting Websites

- Rhodes Municipality www.rhodes.gr
- Greek Ministry of Culture www.culture.gr

Proceedings

The Proceedings of the Conference will be published in the *European Physical Journal Web of Conferences*. The maximum paper length is 4 journal pages.

JEMS 2013 will also offer the opportunity to publish papers as a special issue of the *European Physical Journal B (EPJB)*. Please note that this opportunity will be offered:

- only to plenary, semi-plenary, oral and selected poster contributions.

The European Physical Journal B publishes regular articles and colloquia in Condensed Matter and Complex Systems. The required paper length is up to 4- double column journal pages.

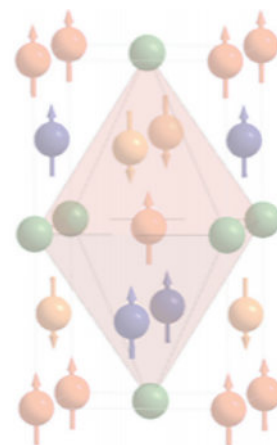
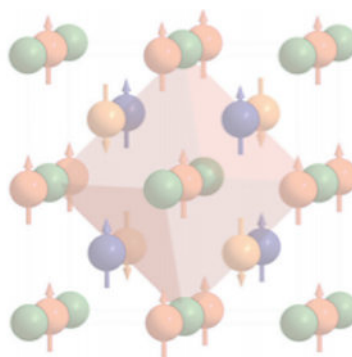
The deadline for manuscript submission is **August 24, 2013**. Instructions for manuscript preparation will be sent with the notification of abstract acceptance and posted on JEMS2013 website.



Rodos Palace Convention Center



SYMPOSIA AND SYMPOSIA ORGANIZERS



JEMS2013 covers all the aspects of magnetism from basic studies to applications. To facilitate the best presentation and attendance, we have grouped all these aspects in nine SYMPOSIA as follows
(*SYMPOSIUM= A meeting or conference for discussion of a topic, especially one in which the participants form an audience and make presentations, Source The Free Dictionary*).

■ 1. Spin electronics

Symposium Organizers: A. Deac, G. Gaudin, G. Kioseoglou

■ 2. Magnetization dynamics and magnetization processes

Symposium Organizers: C. Marrows, T. Schrefl, J. Ruzs, A. Lyberatos

■ 3. Magnetism in metal alloys and intermetallics

Symposium Organizers: F. Albertini, A. Romero , O. Isnard, C. Christides

■ 4. Magnetic materials for energy

Symposium Organizers: K. Sandeman, S. Jiang, J. Giapintzakis

■ 5. Magnetic nanostructures, surfaces, interfaces, molecular nanomagnets

Symposium Organizers: M. Farle, P. Luches, V. Psycharis

■ 6. Magnetic Recording, sensors and microwave devices

Symposium Organizers: T. Thomson, G. Bertero, V. Papaioannou

■ 7. Strongly correlated electron systems including magnetism and superconductivity

Symposium Organizers: B. Stamps, S. J. Clarke, M. Pissas

■ 8. Medical, Biomedical, Biomagnetic and biotechnology applications

Symposium Organizers: R. Ibarra, O. Kazakova, D. Stamopoulos

■ 9. Multiferroics, frustrated and disordered magnets

Symposium Organizers: N. Kioussis, M. Kenzelmann, I. Panagiotopoulos

■ A special session is organized on Tuesday afternoon on

“HORIZON 2020: Opportunities in magnetism”

Speaker Mrs Anne de Baas, PhD, MBA

JEMS IAC

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Vice-President: D. Fiorani (term expires in 2017)

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JEMS2013

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MONDAY 26 AUGUST Morning session

08.45 - 09.00	Room JUPITER Opening and Welcome Address			
09.00	Room JUPITER Chair: D. Givord Keynote Speaker: Prof. A. Fert, Nobel Laureate 2007 SPIN-ORBITRONICS			
09.45	Room JUPITER Chair: F. Casoli Semiplenary Speaker: G.E. Bauer	Room DELPHI Chair: D. Suess Semiplenary Speaker: M. Gibert		
	Spintronics and spin caloritronics of ferromagnetic insulator metal heterostructures	Nickelate-Based Heterostructures		
10.30	Coffee break			
	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 5.1	SYMPOSIUM 1.1	SYMPOSIUM 4.1	SYMPOSIUM 6.1
	Chair: D. Gatteschi	Chair: O. Isnard	Chair: P. McGuiness	Chair: G. Loizos
11.00	<i>Invited: I. Schuller</i> Stress Controlled Magnetism in Oxide-Magnetic Hybrids	<i>Invited: R. Lavrijsen</i> Domain-Wall Depinning Governed by the Spin-Hall Effect	<i>Invited: V. Zaspalis</i> Ceramic Magnetic Materials: Targetted Design For New Emerging Applications	<i>Invited: E. Quandt</i> Giant Magnetoelectrics Effect in Thin Film Composites
11.30	Imaging Magnetization Reversal Processes In Cobalt Antidot Arrays	Manipulation Of Spin-Transport By Disorder	Record Energy Densities Above 450 kJ/m ³ In Exchange Coupled SmCo ₅ /Fe Multilayers	Characterization Of Integrated Inductors With One And Two Yig Layers For Low-Power Converters (1W)
	L. A. Rodriguez Gonzalez	S. Chadov	N. Volker	St. Capraro
11.45	Structure And Magnetic Properties Of CoFe Nanowires	Temperature Dependence Of Spin Polarization In Co/Ni Nanowires Determined From Current-Induced Magnetic Domain Wall Dynamics	Understanding Coercivity In Nd-Fe-B Sintered Magnets: Multiscale Characterisation And Modelling Woodcock	High-frequency permeability changes in Fe-Co-Hf-N/Ti-N multilayer coatings for mechanical stress characterization
	C. Bran	K. Ueda	Th.G. Woodcock	K. Krueger
12.00	Preparation And Magneto-transport Characterization Of Nanopatterned La _{2/3} Ca _{1/3} MnO ₃ Nanowires	Spin Seebeck Effect In Epitaxial Fe ₃ O ₄ (001) Film On SrTiO ₃ (001))	Soft Magnetic Oblate Spheroids In A Hard Magnetic Matrix	Thin-Film Microtransformer For High Frequency Power Applications
	P. A. Algarabel Lafuente	R. Ramos	J. Fischbacher	D. Dinulovic
12.15	Interface Properties Of LaNiO ₃ /LaMnO ₃ Superlattices Investigated by XMCD	Spin Transfer Torque Effects In La _{2/3} Sr _{1/3} MnO ₃ Measured By Resistive Detection And XMCD-PEEM Imaging	Development Of Hysteresis In Ball-Milled La(Co _{5-x} Fe _x)	A Thin Film Passive Magnetic Field Sensor Operated At 425 MHz
	C. Piamonteze	M. Foerster	P. Tozman	J. Kosel
12.30	Focused Ion Beam Fabricated Magnetic Antidot Arrays: Magnetic Structure Dependence On Lattice Symmetry	Spin Hall Effect In Switching Of Three Terminal Magnetic Tunnel Junction With Culr Channel	Comparison Of Global Texture Measurements By XRD And An EBSD Stochastic Sampling Method In (Nd,Dy)-Fe-B Sintered Magnets	Realization Of Unbiased Ferrite Cobalt Nanocomposites For Non-Reciprocal Microwave Components
	A. Kaidatzis	M. Yamanouchi	S. Sawatzki	A. Tchangoulian
12.45	Memory Effect On The Magnetic Behaviour Of Assemblies Of Nanoparticles With FM/AFM Interface	Impact Of Interface Hybridization On Spin Injection In Molecules	Anisotropic Two-Phase Composite Magnets With Single-Phase Hard Magnetic Behavior	Simulation And Measurement Of The Magnetic Field Radiation For A Planar Inductor
	M. Vasilakaki	R. Mattana	J. Thielsch	J. J. Rousseau
13.00	BREAK			

MONDAY 26 AUGUST Afternoon session

15.45	Coffee break			
	Room SALON DE ROSES A SYMPOSIUM 5.2	Room SALON DES ROSES B SYMPOSIUM 1.2	Room DELPHI SYMPOSIUM 4.2	Room NEFELI SYMPOSIUM 3.1
	Chair: A. Guimaraes	Chair: N. Volkov	Chair: S. Cadogan	Chair: H. Chiriac
16.15	<i>Invited: D. Sellmyer</i> Novel Phenomena In High-Anisotropy Nanomagnets	<i>Invited: X. Jin</i> Experimental Identification Of Extrinsic And Intrinsic Contributions In The AHE	<i>Invited: F. Victorino</i> Gaining Information Of Phase Transitions And Critical Phenomena Via Magnetocaloric Studies	<i>Invited: J. Tejada</i> Magnetic Deflagration: Materials And Related Phenomena
16.45	Electrical Read-Out Of Individual Nuclear Spin Trajectories S. Thiele	Single Electron Spintronics Studied In Individual Nanometre-Scale Magnetic Tunnel Junctions R. C. Temple	Generalized Magnetocaloric Properties Of Ni-Mn-In And Ni-Mn-In-Co Systems T. Gottschall	Local Orbitals Approach To The Anomalous Hall And Nernst Effects In Itinerant Ferromagnets P. Streda
17.00	Effective Spin Meron Pairs In Ferromagnetic Multilayers S. Wintz	Electric-Field Control Of Domain Wall Nucleation And Pinning In A Metallic Ferromagnet A. Bernand-Mantel	Comparative Analysis Of Magnetic And Caloric Determinations Of The Magnetocaloric Effect In $Mn_{0.99}Co_{0.01}As$ R. Burriel	Benefit Of (Cu/Pt) Intermixing Dual Barrier For The Blocking Temperature Distribution Of Co/(Cu/Pt)/IrMn K. Akmalidinov
17.15	Electron Spin Resonance In $La_{0.25}Ca_{0.75}MnO_3$ Manganite A. Fernandez	Theory Of Ferromagnetism Driven By Superexchange In Dilute Magnetic Semiconductors C. Simserides	Magnetism And Magnetocaloric Effect In Multicomponent Laves Phase Compounds J. Cwik	Reversibility in the magnetocaloric effect at the antiferromagnetic-ferromagnetic spin-flop transition in Mn_3GaC Ö. Cakir
17.30	Spin-Dependent Smoluchowski Effect M. Corbetta	Diffusive Rashba Spin Torque In Ferromagnetic Heterostructures C. Ortiz Pauyac	On The Barocaloric Effect In Rare Earth Based Compounds N. Antunes de Oliveira	Angular Dependence Of The XMLD In Reflection At The 3p Edges Of The 3d Ferromagnets – Theory And Experiment D. Legut
17.45	Resonant Soft X-Ray Scattering On Artificial Spin Ice L. Anghinolfi	Quantum Interference Effects In [Co/Bi]N Thin Films P. Athanasopoulos	Magnetic Properties And Magnetocaloric Effect In Layered $NdMn_{1.9}V_{0.1}Si_2$ Md Din Muhamad Faiz	Exploration Of Thermally Activated Flux Flow In The $Y_3Ba_5Cu_8O_{18}$ And $Y_3Ba_5Ca_2Cu_8O_{18}$ Superconductors A. Osman
18.00	Inelastic Spin Scattering With Individual Kondo Impurities Investigated By STM Spectroscopy D. Serrate	Piezoelectric-Strain Control Of Perpendicular Magnetic Anisotropy In Pt/Co/Pt Films P. M. Shepley	Microscopic Theory Of Magnetism In Magnetocaloric Material $Fe_2P_{1-x}T_x$ (T=B And Si) E. Delczeg	Structural And Magnetic Properties Of Fe Doped Mn-Ga Ribbons Ch. Sarafidis
19.00 - 21.00	POSTER SESSION – A <i>During Poster Session Buffet Dinner will be served</i>			

TUESDAY 27 AUGUST Morning session

09.00	Room JUPITER Chair: R. Stamps Plenary Speaker: L. Heyderman Artificial Spin Ice: Frustration, Emergent Magnetic Monopoles And Thermal Behaviour			
09.45	Room JUPITER Chair: M. Albrecht Semiplenary Speaker: M. Gubbins		Room DELPHI Chair: D. Fiorani Semiplenary Speaker: H. Brueckl	
	Heat Assisted Magnetic Recording: Progress And Challenges		Magnetoresistive Sensors And Magnetic Nanoparticles Applied To Biomedical Diagnostics	
10.30	Coffee break			
	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 5.3	SYMPOSIUM 6.2	SYMPOSIUM 4.3	SYMPOSIUM 3.2
	Chair: J. Fontcuberta	Chair: Ch. Moutafis	Chair: S. Hirose	Chair: O. Fruchart
11.00	<i>Invited: R. Wiesendanger</i> Towards Computation With Single Skyrmions And Single Spins	<i>Invited: J. Chen</i> Improvement Of Microstruc- ture And Magnetic Proper- ties of FePt Films With New Intermeidate Layers	<i>Invited: L. Lewis</i> Interplanetary Inspiration: Synthesizing Tetraetaenite For Permanent Magnet Applications	<i>Invited: M. Kramer</i> Approaches For The Dis- covery And Design Of Non-Rare-Earth Based Permanent Magnets
11.30	Segregation Phenomena In Fe-Nd-B Nanomagnets	Tailoring The Magnetic Domain Patterns Of Sputtered TbFeGa Alloys	Metal Injection Moulding (MIM) of NdFeB Magnets	Modulation Of Exchange Bias In Ni-Mn-Sb Heusler Alloys By Thermal Cycle
	F. Schmidt	R. Ranchal	T. Hartwig	Y. Changping
11.45	(Sm,Pr) ₂ (Co,Fe) ₁₇ and Nd ₂ Fe ₁₄ B Anisotropic Particles By Mechanochemical Synthesis	Correlations Between Atomic Structure And Magnetic Properties Of Granular FePt _{x-y} Films	Manganese Alloys For Magnetic Refrigeration: Magnetoelastic Vs Magnetostructural Phase Transitions	Exchange Bias Effect In Heterostructures Of Ferri- magnetic TbFeCo And Ferromagnetic [Co/Pt]- Multilayers
	G. Hadjipanayis	S. Wicht	F. Guillou	B. Hebler
12.00	Low-Temperature Thermo- magnetic Properties Of The Butterfly {Fe ₃ LnO ₂ } Single-Molecule Magnets	Breaking The Thermally Induced Write Error In Heat Assisted Recording By Using Low And High Tc Materials	Selective Laser Melting Of La(Fe,Co,Si) ₁₃ Regenerators For Magnetic Refrigeration	Low Thickness Antiferromagnetic Thin Film Of FeRh
	L. Badia-Romano	D. Suess	J. Moore	P. Warin
12.15	Transport Properties Of Gold Nanoparticles Linked By Single- Molecule Magnets	Magnetoimpedance In As-Prepared NiFe/Cu/NiFe Multilayer With NiFe Gratings	Multiscale Investigation Of NiMnGa Thin Films And Nano-Disks	Control Of The Magnetic Anisotropy Of An Antiferro- magnetic Film Through Growth Conditions
	G. Cucinotta	Li Bodong	F. Albertini	M. – A. Leroy
12.30	3d Magnetic Nanostruc- tures Fabricated By Spot Electron-Beam Lithography	Structure Analysis Of CoPt Film With Metastable Or- dered Phases Of L1 ₁ And Bh Formed On Ru(0001) Underlayer	Origin Of The Giant Magnetocaloric Effect	Magnetism in the Interface of Co/CoO
	A. Samardak	O. Mitsuru	R. Prasenjit	D. Tzeli
12.45	1-Bit Full Adder In Perpen- dicular Nanomagnetic Logic Using A Novel 5-Input Majority Gate	Effect Of Mgo Buffer Layer And Substrate Tem- perature On Structural And Magnetic Properties Of L1 ₀ - FePt Thin Films	The Magnetic Properties Of Fe ₂ P Under Pressure Revisited: The Influence Of Composition On The T-P Diagram And Magnetocaloric Effects	Antiferromagnetic Structure Of Mn ₂ Au
	St. Breitkreutz	Th. Speliotis	L. Caron	V. Barthem
13.00	BREAK			

TUESDAY 27 AUGUST Afternoon session

15.45	Coffee break			
16.15	Room JUPITER Chair: L. Schultz Semiplenary Speaker: J. Ackerman		Room DELPHI Chair: M. Kramer Semiplenary Speaker: M. D. Kuz'min	
	Spin-Torque Driven Magnetic nano-droplet Solitons		Physical Principles Of Magnetic Refrigeration Design	
	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 1.3	SYMPOSIUM 6.3	SYMPOSIUM 4.4 MATERIALS FOR ENERGY	SYMPOSIUM 3.3
	Chair: C. Christides	Chair: M. Ohtake	Chair: O. Gutfleisch	Chair: M. Vazquez
17.00	<i>Invited: M. Sawicki</i> Understanding The Origin Of Ferromagnetism In (Ga,Mn)N	<i>Invited: J. Fidler</i> High Density Tape Recording: A Micromagnetic Study	<i>Invited: H. Satoshi</i> Recent Understandings Of Grain Boundary Magnetism In Nd-Fe-B Permanent Magnets And Their Implications	<i>Invited: Th. Archer</i> Which heusler alloys distort?
17.30	Influence Of A Metallic Spacer On The Magnetic And Transport Properties Of Perpendicular Junctions L. Cuchet	Linear Magentoresistance Of Electrodeposited InSb For High Magnetic Field Sensors A. Hunze	<i>Invited: M. Johnson</i> TBA	Modelling Of Packed Co Nanorod Structures For Hard Magnetic Applications P. Toson
	Inter-Grain Tunelling In Half-Metallic Double Perovskites With High-Tc B. Fisher	Bi ₃ Fe ₅ O ₁₂ Electronic Structure And Individual Sublattice Properties Probed By Magneto-Optical Spectroscopy M. Deb		Temperature Dependent Phase Transformations And Magnetic Behavior Of FePt-Based Nanocomposite Magnets O. Crisan
18.00	Origin Of The Anisotropic GMR In Magnetic Multilayers J. Camarero	Performance Of Thin GMI Microsensors Based On Nanostructured Magnetic Multilayers E. Fernandez	<i>Invited: P. McGuiness</i> Permanent Magnet Activities Supported by the EU	Electronic Structure Calculations Of Materials With Increased Magnetic Anisotropy Energy A. Edstrom
	Antiferromagnetic Coupling And Temperature -Dependent Magnetization Reorientation In Perpendicular CoFeB/MgO/CoFeB R. Gareev	Electromagnetic Properties Of Ni Doped BaSrCo _{2-y} Hexaferrites C. Stergiou		Hysteresis Modeling Of Isotropic And Anisotropic NdFeB Magnets M. F. de Campos
18.30	Multifunctional Organic Spintronic Device Acting As A Magnetically Enhanced Memristor A. Riminucci	Natural Domain Wall Oscillator Ch. Murapaka	<i>Invited: K. Ding</i> The Rare Earth Magnet Industry And Rare Earth Prices In China	Nd ₂ Fe ₁₄ B Particles Produced By Planetary Ball Milling Of HDDR Powders S. Laureti
	Annealing Study Of Spin-Orbit Torques In Perpendicularly Magnetized Ta/CoFeB/MgO Layers C. O. Avci	Estimation Of Permeability Tensor And Dielectric Permittivity Of Ferrites Using A Wave Guide Method Under A DC Magnetic Field M. Pissas		The Role Of Oxygen On The Recyclability Of Sintered NdFeB Magnets Using Hydrogen A. Walton
JUPITER ROOM				
19.00 - 19.30	Anne de Baas PhD, MBA Programme Officer- EC NMP-Materials: Horizon 2020 - Opportunities in Magnetism			Chair: D. Niarchos
19.30 - 21.00	POSTER SESSION – B During Poster Session Buffet Dinner will be served			

WEDNESDAY 28 AUGUST Morning session

09.00	Room JUPITER Chair: G. Hadjipanayis Plenary Speaker: K. Krishnann Magnetic Particle Imaging For Cardiovascular Angiography And Molecular Imaging			
09.45	Room JUPITER Chair: O. Kalogirou Semiplenary Speaker: F. Gazeau Nanomagnetism in the living environment: Biotransformation of mag- netic nanoparticles and impact for imaging and therapeutic applications		Room DELPHI Chair: F. Albertini Semiplenary Speaker: T. Jungwirth Antiferromagnetic Spintronics	
	Coffee break			
10.30	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 5.4	SYMPOSIUM 2.1	SYMPOSIUM 8.1	SYMPOSIUM 3.4
	Chair: P. Viorel	Chair: Y. Melikhov	Chair: D. Stamopoulos	Chair: R. Wiesendanger
	Invited: V. Repain	Invited: K. Buchanan	Invited: J. Forcada	Invited: C. Felser
11.00	Magnetization Reversal In Self-Organized Epitaxial Magnetic Nanodots	The Formation And Dynamics Of Magnetic Vortices And Antivortices	Biocompatible Magnetic Nanogels For Cells Delivery	Tetragonal Heusler Compounds For Spintronics And Beyond
11.30	Mixing antiferromagnets to tune NiFe-(IrMn/FeMn) interfaces and related TA-MRAM exchange bias dispersions	Identification And Motion Of Domain Walls In Cylindrical Nanowires	Invited: T. Pellegrino Highlighting Some MAGNIFYCO Project Results: Iron Oxide Nanocubes As Heat Mediators For Combining Hyperthermia Treatment With Drug Delivery	Antiferromagnets For Spintronics Applications: Spin-Orbit Coupling Effects
	K. Akmaldinov	O. Fruchart		S. Khmelevskiy
11.45	Focused Kerr Measurements On Patterned Arrays Of Exchange Biased Square Dots	Magnetization Dynamics Of Patterned Array Of Permalloy Eclipses		Half-Metallic BCC Multicomponent Alloys Based On Iron
	G. Vinai	R. Dutra		A. Go
12.00	Effect Of Grain Cutting In Exchange Biased Nanostructures	Domain Wall Tilting In Magnetic Tracks In The Presence Of Dzyaloshin-skii-Moriya Interaction	On Chip Magnetic Platform For Single Particle Delivery And Particle Transit Monitoring	Study Of The Structure Influence On The Magnetism Of The Fe ₇₀ Al _{30-x} Si _x Alloys
	R. Carpenter	O. Boulle	M. Cantoni	E. Legarra
12.15	Anisotropy Dependence Of Magnetic Coupling In Hard/Soft Co/Py Bilayer Antidot Arrays	Engineering Ultrafast Magnetism	Magnetic Classifier (Magcla): A Proof Of Concept	Finite Temperature Magnetism from First Principles
	R. Perez	I. Radu	P. Augusto	L. Szunyogh
12.30	Interface-Mediated Ex-change-Bias In Fluorescent ZnO-Fe@Fe _x O _y Colloidal Hybrid Nanocrystals	Excess Coercivity And Domain Wall Motion With Exchange Bias	Iron Nanowires Incorporated Into A PDMS Membrane	Magnetic Field-Induced Ultrasharp Magnetization Jumps In La _{0.9} Ce _{0.1} Fe ₁₂ B ₆ Intermetallic Compound
	A. Kostopoulou	M. Marioni	A. Alfadhel	D. L. V. Birane
12.45	L ₁₀ Tetragonal Phase In Continuous And Nanopatterned Fe-Pd Films	Domain Growth And Dipolar Bias In Magnetic Thin Films Coupled To A Peri-odic Pinning Potential	Maghemite Nanoclusters: Static, Dynamic Magnetic Properties And Monte Carlo Simulations	Influence Of Electrodeposi-tion Frequency And Wave-form On The Alloy Composition And Magnetic Properties Of CoNi Nanowire Arrays
	P. Tiberto	R. Novak	K. Brintakis	A. Samardak
13.00	BREAK			

WEDNESDAY 28 AUGUST Afternoon Session

15.45	Coffee break			
16.15	Room JUPITER Chair: S. Yuasa Plenary Speaker: T. Rasing Femtosecond All-Optical Control Of Magnetism At The Nanoscale			
	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 5.5	SYMPOSIUM 2.2	SYMPOSIUM 8.2	SYMPOSIUM 3.5
	Chair: St. McVitie	Chair: P. Tejada	Chair: A. Kostopoulou	Chair: D. Legut
17.00	<i>Invited: D. Gatteschi</i> Lanthanides In The Frame Of Molecular Magnetism	<i>Invited: A. Manchon</i> Theory Of Spin-Orbit Coupled Transport In Magnetic Bilayers	<i>Invited: A. Roig</i> Engineering Iron Oxide Nanoparticles For Applications In Nanomedicine: MRI and Cell Therapies	<i>Invited: B. Fokwa</i> New Magnetic Borides Containing Planar B6 Rings: Experiment And Theory
17.30	Short-Range Correlations In D-F Cyanide-Bridged Assemblies S. Grecea Tanase	Dynamics Of Topological Solitons In Perpendicular Magnetic Anisotropy Nanostructures C. Moutafis	Origins Of Magnetic Hyperthermia K. O'Grady	Structure And Magnetic Properties Of $\text{Hf}_2(\text{Co}_{1-x}\text{Fe}_x)_{11}\text{B}$ Melt-Spun Alloys M. Gjoka
17.45	Room Temperature Photo-magnetic Molecular Switches: Transition Metal Complexes With Photoactive Ligands M. Khusniyarov	Micromagnetic simulation of a ferromagnetic particle K. Efthimiadis	Can AC Magnetic Hyperthermia Be Exploited In Commercial Ferrofluids Addressing Diverse Biomedical Aspects? M. Angelakeris	Effect Of Fe Addition On Magnetic Properties Of Mn Based $\text{Mn}_{49}\text{Ni}_{42-x}\text{Sn}_9\text{Fe}_x$ Metamagnetic Shape Memory Alloys M. Şaşmaz
18.00	Surface Mobility Tuning Of Nanostructured Self-Organization: From Mound Formation To Step Flow Growth Z. Konstantinovic	Comparing Thermal Escape Rates Of Graded Media And Single Phase Grains With Forward Flux Sampling C. Vogler	Induced Cell Toxicity Originates Dendritic Cell Death Following Magnetic Hyperthermia Treatment G. Goya	Structural And Magnetic Properties Of The Heusler Compounds Mn_2FeGa And Fe_2MnGa A. Nayak
18.15	Organic/Ferromagnetic Interfaces Of Interest In Memristors: A Chemical Characterization By Photoemission Spectroscopy I. Bergenti	Energy Barriers In Circular Ferromagnetic Nanodots K. Gusliyenkov	Magnetic Nanoparticles Synthesized By Chemical Slicing Method L. W. Siang	In Plane And Out Of Plane Magnetic Properties In $\text{Ni}_{46}\text{Co}_4\text{Mn}_{38}\text{Sb}_{12}$ Heusler Ribbons S. Roshnee
18.30	Magnetic Coupling Of Porphyrin Molecules Through Graphene M. Bernien	Calculating Ultrafast Demagnetization On The Ab Initio Level: Fundamental Issues K. Carva	CoZn-Ferrite Nanoparticles For Magnetic Fluid Hyperthermia K. Zaveta	Non-Collinear Magnetism And A Spin Crossover In Mn_2RhSn Heusler Compound O. Meshcheriakova
18.45	Novel Skyrmion States In Nanowires Of Chiral Magnets A. Leonov	Probing Nanowire Edge Roughness Using An Extended Magnetic Domain Wall R. Stamps	Collaps Of Protein Macromolecule Induced By A Force As An Analog Of Remagnetization E. Meilikhov	Intermartensitic Transitions In Magnetic Shape-Memory Alloys A. Cakir
20.00-23.00	CONFERENCE DINNER Keynote Speaker: Stuart Parkin Spin or Nano?			

THURSDAY 29 AUGUST Morning session

09.00	Room JUPITER Chair: I. Schuller Plenary Speaker: S. Yuasa Future prospects of magnetoresistance, spin manipulation technology and their applications to novel spintronic devices			
09.45	Room JUPITER Chair: F. Futamoto Semiplenary Speaker: W. Wernsdorfer	Room DELPHI Chair: S. Pantelides Semiplenary Speaker: A. Maignan		
	Molecular Quantum Spintronics Using Single-Molecule Magnets	Search For New Magneto(di)electrics: The Case Of Some Oxides With Magnetic Frustration		
10.30	Coffee break			
	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 5.6	SYMPOSIUM 2.3	SYMPOSIUM 7.1	SYMPOSIUM 9.1
	Chair: F. Futamoto	Chair: K. Carva	Chair: St. Lee	Chair: Sv. Sofronova
11.00	<i>Invited: F. Donati</i> Magnetism Of Single Co Atoms On Graphene	<i>Invited: M. Noske</i> Spin Wave Mediated Switching Of The Vortex Core Within 100 Picoseconds And Below	<i>Invited: E. Zeldov</i> NanoSquid -On-Tip: Towards Scanning Magnetic Microscopy With Single Spin Sensitivity	<i>Invited: C. Zhenxiang</i> Spin Reorientation, Dielectric Relaxation And Magnetocapacitance Effect In Novel Magneto-electric Systems
11.30	High Resolution Lorentz Microscopy Studies Of The Magnetic Domain Structure Of LSMO Films On STO Substrates	Thermally Assisted All-Optical Helicity Dependent Magnetic Switching In Fe _{100-x} TB _x Films	<i>Invited: V. Pomjakushin</i> Crystal And Magnetic Structures And Phase Coexistence In Superconducting Iron Chalcogenides A_yFe_{2-x}Se₂ (A=K, Cs, Rb)	<i>Invited: J. Fontcuberta</i> Phase-Coexistence And Short-Range Magnetic Order In Magnetic Multiferroics
	K. O'Shea	A. Hassdenteufel		
11.45	The Importance Of Crystal Structure On Magnetic Ordering In Rare-Earth-Transition-Metal Laminates	Exchange interactions in collinear and non-collinear magnets		
	G. Scheunert	A. Szilva		
12.00	Absence Of An Induced Magnetic Moment In Pt On Y ₃ Fe ₅ O ₁₂ (YIG)	On The Role Of The Magnetization Compensation Point In All-Optical Magnetization Switching	Magnetically-Active Ionic Memristors	Magnetoelectric Coupling In A Ferroelectric/Ferromagnetic Chain Revealed By Ferromagnetic Resonance
	M. Opel	L. Le Guyader	A. Ruotolo	A. Sukhov
12.15	Fine Tuning Of Electron Distributions In 3d And 4d Transition Metal Oxides By Strain And Interface Engineering	Magneto-Optical System For The Study Of Picosecond Magnetization Processes	Mott-Insulating And High-Tc Superconducting States Arising From Strong Correlations In Alkali Fullerenes	Super Spin Mediated Giant Exchange Bias In Multiferroic Nanocomposite
	D. Pesquera	M. Logunov	D. Arcon	M. Tuhin
12.30	Magnetic Hysteresis And Spin Configuration In Magnetostatically Interacting Multilayered Nanodisks	Optical Manipulation Of The Exchange-Spin-Spin Interaction On Sub-Picosecond Timescale	Interlayer Magnetoresistance Of Monoaxial Chiral Magnet	Signatures Of Magnetic Chirality In The Geometrically Frustrated Ba ₃ NbFe ₃ Si ₂ O ₁₄
	A. Ognev	R. V. Mikhaylovskiy	T. Yoshihiko	A. Zorko
12.45	Micromagnetics Of Three Dimensional Magnetic Domain Walls In Cylindrical Nanostructures	Gilbert Damping Constant Of FePd Thin Film	I-V Characteristics Of Engineered And Non-Engineered Superconducting Film	Persistent Spin Dynamics And Multiferroicity In Frustrated FeTe ₂ O ₅ Br
	C. Ferguson	T. Kawai	M. Kamran	P. Matej
13.00	Break			

THURSDAY 29 AUGUST Afternoon session

15.45	Coffee break			
	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 8.3	SYMPOSIUM 2.4	SYMPOSIUM 7.2	SYMPOSIUM 9.2
	Chair: M. Angelakeris	Chair: M. Pissas	Chair: E. Pomjakushina	Chair: A. Douvalis
16.15	<i>Invited: C. Binns</i> Gas-Phase Preparation Of Core-Shell Nanoparticles For Magnetic Hyperthermia	<i>Invited: St. Komineas</i> Magnetic Vortex-Antivortex Dipoles In Spin-Transfer Oscillators	<i>Invited: St. Lee</i> Revisiting The Vortex Phase Diagram Of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$	<i>Invited: J. Van der Brink</i> Spin-Orbital Separation In The Quasi-One-Dimensional Mott Insulator Sr_2CuO_3
16.45	Composite $\text{ZnO-Fe}_3\text{O}_4$ Nanostructures With Multifunctional Properties F. Casoli	Contribution Of Magnetic Circular Dichroism In Helicity-Dependent All-Optical Magnetization Switching A. Tsukamoto	Quartets Of Order Parameters In Domes Preventing Quantum Critical Points And In Correlated Nanostructures G. Varelogiannis	Origin Of Strain-Induced Ferromagnetism In Domain Walls Of Multiferroic TbMnO_3 Thin Films C. Magen
17.00	Highly Efficient Heat Dissipation In Monodisperse Iron Oxide Nanoparticles F.J. Teran Garcinuno	Ferromagnetic Resonance Response Of Thin Films With One-And Two-Dimensional Patterned Arrays Of Periodic Perturbations R. Gallardo	Charge Order And Magnetic Exchange Bias Associated With Phase Separation In Underdoped $\text{La}_2\text{CuO}_{4+x}$ Z. Viskadourakis	Double-Layered Monopolar Order In $\text{Tb}_2\text{Ti}_2\text{O}_7$ Spin Liquid A. Gukasov
17.15	Structural Modification And Self-Assembly Of Nanoscale Magnetite Synthesised In The Presence Of An Anionic Surfactant M. Sharali	Contribution Of Peierls Relief To The Dynamics Of Domain Walls In Metal-Organic Compounds R. Morgunov	Irreversibility, Remanent Magnetization, And Griffiths Phases In $\text{Sm}_{0.1}\text{Ca}_{0.9}\text{MnO}_3$ Nanoparticles V. Markovich	Solitons In A Composite Multiferroic Chain L. Chotorlishvili
17.30	Photothermal Microscopy And Magnetophoresis Of Superparamagnetic Iron Oxide Nanoparticles In Cells L. Bogart	Jiles-Atherton Theory For Systems With First Order Phase Transition Y. Melikhov	Co-Nb-Co Trilayers As Efficient Cryogenic Supercurrent Switches D. Stamopoulos	Single Domain Spin Manipulation By Electric Fields In Strain Coupled Artificial Multiferroic Nanostructures M. Buzzi
17.45	Blood Pressure Sensor Based On Ferromagnetic Resonance Of Magnetic Microwires P. Marin	Thermal Transport By Reciprocal And Non-Reciprocal Magnons V. Vasyuchka	Field-Induced Long-Range Order In The Spin-Singlet Ground State System YbAl_3C_3 D. Khalyavin	Local Probing Of Multiferroics By First-Principles Calculations Of Hyperfine Parameters J. N. Gonçalves
18.00	Comparative evaluation of AC magnetic hyperthermia efficiency of ferrite-based magnetic nanoparticles D. Sakellari	Ultrahot Bose-Einstein Magnon Condensate In A Phase Space A. Serga	Electronic Structure And Chemical Bonding Of Uranium Dioxide Within The Hubbard I Approximation D. Iusan	Multiferroics Under Pressure Studied By Neutron Diffraction I. Mirebeau
18.15		Switching Of The Spin Circulation In Linear Arrays Of Tapered Magnetic Nanodisks M. Urbanek	Polarons In Metallic Low-Silica X Zeolites P. Jeglic	Strongly Disordered Heisenberg Spin-1/2 Chains: An NMR Approach T. Shiroka
19.00 - 21.00	POSTER SESSION – C <i>During Poster Session Buffet Dinner will be served</i>			

FRIDAY 30 AUGUST Morning session

08.30	Room JUPITER Chair: J. Fidler Plenary Speaker: O. Hellwig Future Trends In HDDs And Magnetic Recording Media			
09.15	Room JUPITER Chair: L. Lewis Semiplenary Speaker: L. Schultz	Room DELPHI Chair: A. Lappas Semiplenary Speaker: J. Rusz		
	Superconducting Levitation On A Permanent Magnet Track - The SupraTrans test facility -	Magnetic Materials By Design		
10.00	Coffee break			
	Room SALON DE ROSES A	Room SALON DES ROSES B	Room DELPHI	Room NEFELI
	SYMPOSIUM 5.7	SYMPOSIUM 7.3	SYMPOSIUM 2.5	SYMPOSIUM 9.3
	Chair: S. Lewinska	Chair: A. Slawska-Waniewska	Chair: K. O'Grady	Chair: I. Mirebeau
10.30	<i>Invited: J. Camarero</i> Imaging Magnetization Reversal Of Interfacial Exchange Coupling	<i>Invited: S. Wurmehl</i> Single Crystal Growth And Characterization Of Superconducting LiFeAs And Its Doping Variants	<i>Invited: O. Tretiakov</i> Domain-Wall Dynamics In Ferromagnets And Antiferromagnets	<i>Invited: A. Volodin</i> Magnetoelectric Response Of Multiferroic Thin YbMnO Films Measured By Low-Temperature Electrostatic Force Microscopy
11.00	Combinatorial Epitaxial Strained Fe-Pd Films On Cu-Au Layers For Tuning Magnetic Properties	<i>Invited: S. Pantelides</i> Ferromagnetism In Complex Transition-Metal-Oxide Structures	High Energy Surface Spin Waves Of Ultra-Thin Ferromagnetic Films	Non-Equilibrium Dynamics In The Inhomogenous Splayed Ferromagnetic Phase Of The Quantum Spin Ice Yb ₂ Sn ₂ O ₇
	S. Kauffmann-Weiss		R. Jayaraman	J. Lago
11.15	XAS/XMCD Studies Of Ga+ Ions Irradiated Pt/Co/Pt Trilayers		Effect Of The Annealing Temperature On Dynamic And Structural Properties Of Co ₂ FeAl Thin Films	Electrical Switching Of The Magnetic Order Of The The Fe/BaTiO ₃ Interface
	P. Mazalski		S. Murad Cherif	G. Radaelli
11.30	Magnetic Properties Of Self-Organized Cr Oxide Monolayers On Fe(001)	Thermoelectric Properties Of The Kondo Insulator CeRu ₄ Sn ₆ Under Magnetic Field	Spin-Torque Ferromagnetic Resonance Study In Co/Ni Multilayers	Hexagonal And Perovskite-Like Multiferroic Thin YbMnO ₃ Films
	G. Berti	V. Martelli	T. Moriyama	Y. Mukovskii
11.45	Straining Epitaxial Fe-Co Thin Films To Increase Magnetocrystalline Anisotropy	Magnetic Contribution To The Heat Capacity Of CeNi ₄ Cr	Influence Of The Dzyaloshinskii-Moriya Interaction Of The Spin-Wave Spectra Of Thin Films	Magnetostructural Phase Separation Induced By Geometrical Frustration
	R. Ludwig	M. Reiffers	P. Landeros	O. Adamopoulos
12.00	Tuning The Magnetic Coupling Of FePc/Co(001) By Adlayers	The Influence Of Magnetic Ingomogeneous State On Magnetothermopower Of Sm _{0.55} Sr _{0.45} MnO ₃ Manganites	Simultaneous STXM Imaging And Resistance Measurements Of Trilayer Vortices	Magnetic And Ferroelectric Transitions In Mn _{1-x} Co _x WO ₄ Multiferroics With Conical Antiferromagnetic Order (x>0.15)
	H. Herper	L. Koroleva	A. Banholzer	J. L. García-Muñoz
12.15	Domain Structure And Conducting Properties Of Thin NiFe Films Deposited On YIG And Si Insulators	High Pressure Electrical Resistivity Of The Kondo Insulator Compound CeRu ₄ Sn ₆	Magnetization Dynamics Of Multilayered Rare Earth (Re)- Transition Metal (Tm) Structures	Spin Dynamics In The Spin-1/2 Triangular -Lattice Antiferromagnet Cs ₂ CuBr ₄
	V. Gornakov	J. A. Larrea J.	Y. Tsema	S. Zvyagin
	Closing Ceremony JUPITER ROOM			
12.30	S. Bader Spintronics -Implications For Energy, Information And Medical Technologies			
13.00	Organizing Committee Awards			
13.15	D. Niarchos Statistics			
13.30	D. Givord-D. Fiorani New Chairman of JEMS IAC			JEMS 2016 GLASGOW-2016

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Poster session: Monday 26/8/2013

Chairs: **D. Arcon, J. Topfer, S. Rivoirard**

1	MO-1	A dysprosium-based ring displaying large magnetocaloric effect and slow magnetic relaxation <i>Magnani Nicola (Institute of Nanotechnology, Karlsruhe Institute of Technology, Germany)*</i>
2	MO-2	Magnetic, transport, optical and magneto-optical properties of In_2O_3 containing Fe_3O_4 Nanoparticles <i>Alshammari Marzook (KACST, Saudi Arabia)*</i>
3	MO-3	Extremely large photoinduced magnetoresistance in the $\text{Fe}/\text{SiO}_2/\text{p-Si}$ hybrid structure <i>N. Volkov (L.V. Kirensky Institute of Physics SB, Russia)*</i>
4	MO-4	Relativistic theory of transport properties of random nickel-based ferromagnetic alloys <i>Turek Ilja (Institute of Physics of Materials, Czech Republic)*</i>
5	MO-5	Spin hall effect assisted magnetic domain wall motion in perpendicularly magnetized Co/Ni nanowire <i>Yoshimura Yoko (ICR, Kyoto Univ., Japan)*</i>
6	MO-6	Toward switchable nanoelectronics devices <i>Dugay Julien (Kavli Institute of Nanoscience Delft University of Technology, Netherlands)*</i>
7	MO-7	Strain mediated electric field manipulation of spin structures in Nickel nanostructures on PMN-PT <i>Finizio Simone (Johannes-Gutenberg Universitat Mainz, Germany)*</i>
8	MO-8	Atomic and electronic interface structure of halfmetal heusler based spin valves <i>Lazarov Vlado (Department of Physics, University of York, UK)*</i>
9	MO-9	Electronic and transport properties of $\text{CaC}/\text{LiCl}(\text{MgS})/\text{CaC}(001)$ heterostructures <i>Vlaic Petru (University of Medicine and Pharmacy, "Tuliu Hatieganu", Romania)*</i>
10	MO-10	Spin torque induced magnetic vortex dynamics in tri-layer nanopillars <i>K.Y. Guslienko (Dpto. Física de Materiales, Universidad del País Vasco, Spain)*</i>
11	MO-11	Effects of heat on magnetization dynamics <i>Francesco Antonio VETRO (Ecole Polytechnique Federale de Lausanne, Switzerland)*</i>
12	MO-12	Anisotropic magnetoresistance in NiFe/IrMn exchange bias systems <i>Thiago J. A. Mori (Federal University of Santa Maria, Brazil)*</i>
13	MO-13	The magnetic properties of iron doped zirconia: theory and experiments <i>Debernardi Alberto (MDM, IMM-CNR, Italy)*</i>
14	MO-14	Ultrafast demagnetization dynamics in FePt ferromagnetic thin films with perpendicular anisotropy <i>Nieves P. (Instituto de Ciencia de Materiales de Madrid, CSIC, Spain)*</i>
15	MO-15	Two-stage remagnetization of ferromagnetic films <i>Farzetdinova Rimma (Kurchatov Institute, Russia)*</i>
16	MO-16	Micromagnetic simulations of coercivity in cobalt antidots arrays <i>Gawronski Przemyslaw (AGH University of Science and Technology, Poland)*</i>
17	MO-17	Magnetic and structural properties of equiatomic FeRh thin films <i>Heidarian Alireza (HZDR, Germany)*</i>
18	MO-18	Effect of uniaxial magnetocrystalline anisotropy on spectrum of hybrid waves in hexaferrite films <i>Grigoryeva Natalia (St. Petersburg Electrotechnical University, Russia)*</i>
19	MO-19	Micromagnetic simulation of a ferromagnetic particle <i>Ntallis Nikos (Department of Physics, Aristotle University, Greece)*</i>
20	MO-20	Magnetic and magnetocaloric properties of $\text{Pr}_{1-x}\text{Sr}_x\text{CoO}_3$ cobaltites <i>Deac Iosif G. (Facultatea de Fizica, Universitatea Babes-Bolyai Cluj-Napoca, Romania)*</i>
21	MO-21	Observation of domain wall motion in a Co/Pt wire under gate electric field <i>Kakizakai Haruka (ICR, Kyoto University, Japan)*</i>
22	MO-22	Physical micromodel for preisach hysteron in grained media <i>Skidanov Vladimir (Institute for Design Problems in Microelectronics RAS, Russia)*</i>
23	MO-23	The yield stress of fluidized beds of soft magnetic particles stabilized by a magnetic field <i>Valverde J M (Univrsiy of Seville, Spain)*</i>
24	MO-24	Spin dynamics and energy dissipation during fast magnetization reversal: from micro-to nano-magnetic switches <i>Carlotti Giovanni (Dipartimento di Fisica, University of Perugia, Italy)*</i>
25	MO-25	Global, local, and micromagnetic analysis of epitaxial NdCo_5 thin films <i>Seifert Marietta (IFW Dresden, Institute for Metallic Materials, Germany)*</i>
26	MO-26	Coercivity and random interfacial exchange coupling <i>Kechrakos Dimitrios (Department of Sciences, School of Pedagogical and Technological Education, Greece)*</i>
27	MO-27	Transient magnetic tunneling mediated by a molecular bridge in the junction region <i>Kalvova Andela (Institute of Physics AS CR, Czech Republic)*</i>
28	MO-28	Ultrafast magnetization dynamics in Gd-Yb-big film induced via inverse faraday effect

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		<i>Parchenko Sergii (Laboratory of Magnetism, Faculty of Physics, University of Bialystok,, Poland)*</i>
29	MO-29	One-dimensional dynamics of the domain walls in multilayer ferromagnetic structure <i>Gumerov Azamat (Institute of Physics and Technology, Bashkir State University, Russia)*</i>
30	MO-30	Reorientation of polarization domains in Cr thin films <i>Leroy Marie-Alix (LLB/IRAMIS/CEA, France)*</i>
31	MO-31	Crystal structure and negative magnetization in Sm_2Al and $\text{Sm}_{1.988}\text{Gd}_{0.012}\text{Al}$ compounds <i>P. Kumar (IIT Bombay, India)*</i>
32	MO-32	Magnetism, crystal and electronic structure of selected $\text{Gd}(\text{In}_{1-x}\text{Sn}_x)_3$ compounds <i>Bajorek Anna (A. Chelkowski Institute of Physics, University of Silesia, Poland)*</i>
33	MO-33	Temperature dependence of the local magnetic moment at a Cd impurity diluted in RNi_2 compounds <i>A. L. de Oliveira* (IFRJ, Campus Nilopolis, Brazil)*</i>
34	MO-34	Temperature dependence of the magnetic hyperfine field at a Cd impurity in GdM_2 ($\text{M} = \text{Fe, Co, Ni}$) compounds <i>Chaves Carlos Mauricio (CBPF, Brazil)*</i>
35	MO-35	Ab-initio investigation of electronic and magnetic structure of Cr_3Si with ferromagnetic dopants <i>Pylak Maciej (National Centre for Nuclear Research, Poland)*</i>
36	MO-36	Magnetotransport in Heusler alloys with native disorder <i>Drchal Vaclav (Institute of Physics, Acad. Sci., Czech republic)*</i>
37	MO-37	Stress induced perpendicular magnetic anisotropy in FePt thin films <i>Alvarez Nadia (Centro Atomico Bariloche (CNEA), Argentina)*</i>
38	MO-38	Study of crystal structure and electronics properties on CeCuAl_3 single crystal <i>Klicpera Milan (Charles University in Prague, Faculty of Mathematics and Physics, Department of Condensed Matter Physics, Czech Republic)*</i>
39	MO-39	Stoichiometric magnetite films with four-fold anisotropy grown by IR-pulsed laser deposition <i>Pedrosa F.J. (IMDEA Nanoscience, Spain)*</i>
40	MO-40	Magnetization study of TbFe_5Al_7 single crystal <i>Andreev Alexander (Institute of Physics, Czech Republic)*</i>
41	MO-41	Angle dependence of ferromagnetic resonance peak widths in Fe-X ($\text{X} = \text{Cr}$ and Cu) single crystal thin films <i>Inaba Nobuyuki (Yamagata University, Japan)*</i>
42	MO-42	Growth of cobalt manganese aluminum thin films by pulsed laser deposition <i>Skaff Nibelle (Department of physics, American University of Beirut, Lebanon)*</i>
43	MO-43	Stripes rotation and magnetic anisotropy of TbFeGa alloys <i>Bisero D. (CNISM and Dipartimento di Fisica e Scienze della Terra, Universita di Ferrara, Italy)*</i>
44	MO-44	Deposition and characterization of novel $\text{Fe}_{2-x}\text{NiSn}$ ($x=0-1$) Heusler alloy films <i>Markou Anastasios (Institute for Advanced Materials, Physicochemical Processes, Nanotechnology and Microsystems, NCSR "Demokritos", Greece)*</i>
45	MO-45	Ferromagnetic-Nonmagnetic transition on FePt-M films with $\text{M} = 3d-5d$ transition metals <i>Hasegawa Takashi (Department of Materials Science and Engineering, Akita University, Japan)*</i>
46	MO-46	Magnetic and structural properties of the filled skutterudite $\text{BaFe}_{4-x}\text{Pt}_x\text{Sb}_{12}$ ($x=0, 0.05, 0.2$) compounds <i>Aydogdu Fatih (Faculty of Science and Letter, Department of Physics, Marmara University, Turkey)*</i>
47	MO-47	Magnetic and structural properties of the new $\text{YFe}_{2-x}\text{Pt}_x\text{Sb}_2$ ($x=0, 0.01, 0.05$) compounds <i>Ates Unal (Faculty of Science and Letter, Department of Physics, Marmara University, Turkey)*</i>
48	MO-48	Synthesis and analysis of $(\text{Fe,Co})_{2.3}\text{B}$ microcrystalline alloys <i>Wallisch Wolfgang (Institute of Solid State Physics, Vienna University of Technology, Austria)*</i>
49	MO-49	Magnetic, electrical and structural properties of annealed ferromagnetic ZnSnAs_2 : Mn thin films on LnP substrates: comparison with undoped ZnSnAs_2 <i>Uchitomi Naotaka (Department of Electrical Engineering, Nagaoka University of Technology, Japan)*</i>
50	MO-50	Ordered phase formation in Sm-Ni thin film deposited on Cr(100) underlayer <i>Hotta Yusuke (Faculty of Science and Engineering, Chuo University, Japan)*</i>
51	MO-51	Magnetostriction of FCC(110) single-crystal films of Ni-Fe, Ni, and Co under rotating magnetic fields <i>Ohtnai Taiki (Faculty of Science and Engineering, Chuo University, Japan)*</i>
52	MO-52	Formation of $\text{Sm}(\text{Co}_{1-x}\text{Ni}_x)_5$ epitaxial thin films on Cu(111) underlayers <i>Yamada Makoto (Faculty of Science and Engineering, Chuo University, Japan)*</i>
53	MO-53	Exploring magnetic anisotropy and permanent magnet potential in $(\text{Fe,Mn})_{1.95}(\text{P,Ge})$ <i>J. V. Leitão. (TU Delft, Netherlands)*</i>
54	MO-54	Potentiality of magnetic force for self-active vibration attenuation devices <i>Lanotte Luciano (Physics Department, CNR-SPIN, Federico II University of Naples, Italy)*</i>

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55	MO-55	Characterisation of magnetostrictive amorphous ribbon using magneto-elastic resonance <i>Le Bras Yannick (Fundamental Aspects of Materials and Energy, Faculty of Applied Sciences, Universite du Maine, France)*</i>
56	MO-56	Computerized B-H loop tracer for soft magnetic thick films in the audio frequency range <i>Loizos George (Institute for Advanced Materials, Physicochemical Processes, Nanotechnology and Microsystems, NCSR "Demokritos", Greece)*</i>
57	MO-57	Metal injection moulding (MIM) of NdFeB magnets <i>Hartwig Thomas (Fraunhofer Institute for Manufacturing Technology and Advanced Materials, Germany)*</i>
58	MO-58	Preparation and properties of ultrafine single crystalline and textured polycrystalline Nd ₂ Fe ₁₄ B particles <i>Pal Santosh Kumar (IFW Dresden, Institute for Metallic Materials, Germany)*</i>
59	MO-59	Study of the Magnetic Properties of the Ternary Compounds Mn _(3-x) Fe _(x) Sn and Mn _(2-x) Fe _(x) Sn, 0 ≤ x ≤ 1.25. <i>Felez Marissol Rodrigues (Universidade Federal de Paulo – Unifesp. Campus Diadema, Brasil)*</i>
60	MO-60	Temperature dependence of ferromagnetic resonance in single and biphasic magnetic microwires <i>Vazquez Manuel (Instituto de Ciencia de Materiales de Madrid, CSIC, Spain)*</i>
61	MO-61	Beneficial of high temperature treatment on La _{0.7} Pr _{0.3} Fe _{11.4} Si _{1.6} compound <i>M.F. Md Din (ISEM, University of Wollongong, Australia)*</i>
62	MO-62	Gd ₅ (SiXGe _{1-X}) ₄ system – an updated phase diagram <i>Melikhov Yevgen (Cardiff University, U.K.)*</i>
63	MO-63	Integration of Ni-Cu-Zn and hexagonal ferrites into LTCC modules; cofiring and magnetic properties <i>Topfer Jorg (Dept. SciTec, Univ. Appl. Sciences Jena, Germany)*</i>
64	MO-64	Energy transfer laws of current transforming harvester <i>Tan Tianyuan (School of Electrical Engineering, Wuhan university, China)*</i>
65	MO-65	Research on fault diagnosis methods of the cable joint <i>Gao Yunpeng (School of Electrical Engineering, Wuhan University, China)*</i>
66	MO-66	Research on temperature retrieval of the cable joint <i>Gao Yunpeng (School of Electrical Engineering, Wuhan University, China)*</i>
67	MO-67	Magnetocaloric effect in Mn ₅ Ge ₃ , Mn ₄ FeGe ₃ and Mn-Co-Ge compounds <i>Skokov Konstantin (Functional Materials, TU Darmstadt, Germany)*</i>
68	MO-68	Studies on magnetocaloric effect in the LaFe _{12.2-x} Si _x Co _{0.8} alloys prepared by arc melting <i>Wlodarczyk Patryk (Department of Functional Materials, Institute of Non-Ferrous Metals, Poland)*</i>
69	MO-69	Stresses evolution at high temperature (200 °C) on the interface of thin films in magnetic components <i>Doumit Nicole (Laboratoire Telecom Claude Chappe, France)*</i>
70	MO-70	Formation process of iron oxide nanoparticles via solvothermal synthesis <i>Masthoff Ingke-Christine (Institut for particle technology, Germany)*</i>
71	MO-71	High-energy alloying and characterization of Ni-Fe <i>Jiraskova Yvonna (Institute of Physics of Materials, Academy of Science, Czech Republic)*</i>
72	MO-72	Magnetic nanoparticles under asymmetric stochastic resonance conditions <i>Isavnin Alexei (Department of applied mathematics and information technologies, Kazan university, Russia)*</i>
73	MO-73	Study of magnetic nanocomposites by NMR and bulk magnetization techniques <i>Matveev Vladimir (Department of Mathematics and Physics, Lappeenranta University of Technology, Saint-Petersburg State University, Russia)*</i>
74	MO-74	Synthesis, structural, thermal and magnetic characterizations of nanostructured Cu-doped manganite systems <i>Haddad Paula S. (DCET, UNIFESP, Brasil)*</i>
75	MO-75	Novel skyrmion states in nanowires of chiral magnets <i>Leonov Andrey (Zernike Institute for Advanced Materials, University of Groningen, Netherlands)*</i>
76	MO-76	Simulation and measurement of the magnetic field radiation for a planar inductor <i>Kari Zana (LMSR, LT2C, Algeria)*</i>
77	MO-77	Substrate influence on the structure and magnetic properties of M-N (M=Fe,Co) thin films <i>Silva Catia (CFMC-UL, Portugal)*</i>
78	MO-78	Temperature-dependent measurements of the differential conductance with Fe-coated W tips <i>Phark Soo-Hyon (Max-Planck-Institut für Mikrostrukturphysik, Halle (Saale), Germany)*</i>
79	MO-79	Magnetometry versus Mossbauer spectroscopy paths in studying size effects in nanoparticulate systems <i>Kuncser Victor (NIMP, Romania)*</i>
80	MO-80	Growth and magnetic properties of self-organized (Fe, Co) nanodots on Au(111) <i>Marie Jean-Baptiste (Laboratoire MPQ, Universite Paris-Diderot, France)*</i>

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81	MO-81	Phase transformation and magnetic properties of FeCo flowers <i>Joseyphus R. Justin (Magnetic Materials Laboratory, Department of Physics, National Institute of Technology, India)*</i>
82	MO-82	Remanence enhancement due to exchange coupling in SmCoFeCuZr magnets <i>Marcos F de Campos (PPGEM, Federal Fluminense University, Brazil)*</i>
83	MO-83	Spin state transition of iron-porphyrin adsorbed on magnetic substrates <i>Brena Barbara (Department of Physics and Astronomy, Uppsala University, Sweden)*</i>
84	MO-84	STM contrast inversion of the Fe(110) surface <i>Palotas Krisztian (Department of Theoretical Physics, Budapest University of Technology and Economics, Hungary)*</i>
85	MO-85	Negative permittivity and negative permeability of ferromagnetic cermets <i>Fan Run-hua (Key Laboratory for Liquid-Solid Structural Evolution and Processing of Materials, Shandong University, China)*</i>
86	MO-86	Dipolar coupling in the Co/Cu/Co nanostripes grown on stepped Si(111) substrate <i>Davydenko Aleksandr (Far Eastern Federal University, Russia)*</i>
87	MO-87	Magnetic field effect on Co nanoparticles reduction <i>Perov Nikolai (Faculty of Physics, Lomonosov MSU, Russia)*</i>
88	MO-88	XMCD/XLD study of the magnetoelectric coupling mechanism in the multiferroic composite Co/PMn-Pt(011) <i>Heidler Jakob (Paul Scherrer Institut, Switzerland)*</i>
89	MO-89	Electron magnetic circular dichroism – vortex beams and polycrystals <i>Rusz Jan (Department of Physics and Astronomy, Uppsala University, Sweden)*</i>
90	MO-90	Enhanced colossal magnetoresistance in nanostructured LSMO thin films <i>Pomar Alberto (ICMAB-CSIC, Spain)*</i>
91	MO-91	EuO on cubic oxides and directly on silicon <i>Caspers Christian (Peter Grunberg Institut (PGI-6), Research Center Julich, Germany)*</i>
92	MO-92	Enhanced Magneto-Optical Activity in 3D Magneto-Photonic Crystals <i>Roig Anna (ICMAB-CSIC, Spain)*</i>
93	MO-93	Synthesis and characterization of magnetic powder of magnetite <i>Giannouli Christina (Laboratory of Physical Metallurgy, NTUA, Greece)*</i>
94	MO-94	Anisotropy of epitaxial ultrathin L1 ₀ FePt probed by XMCD <i>M. Soares Marcio (European Synchrotron Radiation Facility, France)*</i>
95	MO-95	Asymmetries of GMR in NiFe/Cu/NiFe/IrMn spin-valve structures <i>Kurenkov Alexander (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Russia)*</i>
96	MO-96	Defects in magnetism of diluted semiconductors TiO ₂ :Co and TiO ₂ :V <i>Smekhova Alevtina (Faculty of Physics, Moscow State University, Russia)*</i>
97	MO-97	Noncollinear unidirectional anisotropies at F/AF/F interfaces in NiFe/IrMn/NiFe trilayer structures <i>Dzhun Irina (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, Russia)*</i>
98	MO-98	Magnetic properties of nonstoichiometric SiMn alloys <i>Semisalova Anna (Faculty of Physics, Lomonosov MSU, Russia)*</i>
99	MO-99	Charge transfer and magnetic order at the La _{0.7} Sr _{0.3} MnO ₃ /CaRuO ₃ interface <i>Bern Francis (Universitat Leipzig, Faculty of Physics and Earth Sciences, Institute for Experimental Physics II, Germany)*</i>
100	MO-100	Dual-Mode quantitative magnetic force microscopy <i>Schwenk Johannes (Empa, Switzerland)*</i>
101	MO-101	Field-induced reduced coercivity and positive exchange bias in Co/MnF ₂ bilayers <i>J. L. F. Cuñado* (IMDEA-Nanociencia, Campus Cantoblanco, Spain)*</i>
102	MO-102	Development of an electrical model for integrated magnetic inductors <i>Bechir M.H. (LT2C, France)*</i>
103	MO-103	Direct field detection and magnetization process control as essential conditions of accurate measurements <i>Stupakov Oleksandr (Institute of Physics ASCR, Czech Republic)*</i>
104	MO-104	Enhancement of the measurement precision of vibration sensor <i>Ghemari Zine (University Of M'sila, Algeria)*</i>
105	MO-105	Ball-milled magnetic microwires and its influence on microwave attenuation <i>A. M. Aragón (Instituto de Magnetismo Aplicado, UCM, Spain)*</i>
106	MO-106	Synthesis and magnetoelectric properties of ferromagnetic / PbZr _{1-x} Ti _x O ₃ (PZT) layered heterostructures <i>Sazanovich Andrei (Institute of Physics Polish Academy of Sciences, Poland)*</i>

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107	MO-107	Influence of recording field direction on transition noise of stacked media <i>Tomiyama Naoki (Media and Telecommunications Engineering, Ibaraki University, Japan)*</i>
108	MO-108	Superconductor-normal metal quantum phase transition in dissipative and non-equilibrium systems <i>Continentino Mucio (Centro Brasileiro de Pesquisas Fisicas, Brasil)*</i>
109	MO-109	Spin glass state in the $\text{Bi}_2\text{Fe}_{0.128}\text{Te}_{2.844}\text{Se}_{0.145}$ topological insulator <i>Koroleva Liudmila (Physics Department, Moscow State University, Russia)*</i>
110	MO-110	Crystal growth and structure of the electron-doped manganites $\text{CaMn}_{0.9}\text{W}_{0.1}\text{O}_3$ <i>Telegin Sergey (Institute of Natural Sciences, UrFU, Russia)*</i>
111	MO-111	X-ray imaging of all-in / all-out magnetic domains in the pyrochlore $\text{Cd}_2\text{Os}_2\text{O}_7$ <i>TARDIF SAMUEL (Spin Order Research Team, RIKEN SPring-8 Center, Japan)*</i>
112	MO-112	Polaronic transport in the metallic phase of epitaxial manganite thin films <i>Graziosi Patrizio (Instituto de Tecnologia de Materiales, Universidad Politecnica de Valencia, Spain)*</i>
113	MO-113	Magnetism of perovskite cobaltites with kramers rare-earth ions <i>Jirak Zdenek (Institute of Physics ASCR, Czech republic)*</i>
114	MO-114	Ultra-low temperature measurements of the in-plane penetration depth in $\text{Fe}_{1+y}(\text{Te}_{1-x}\text{Se}_x)$ single crystals <i>Spinu Leonard (Advanced Materials Research Institute - AMRI, University of New Orleans, USA)*</i>
115	MO-115	A puzzle of quantum phase transition in Gd-IMC by tuning of C.E.C. <i>Sarvestani Negin (Department of physics, Damghan university, Iran)*</i>
116	MO-116	Collapse of protein macromolecule induced by a force as an analog of remagnetization <i>Meilikhov Evgeny (NRC, Kurchatov Institute, Russia)*</i>
117	MO-117	Selective detection of uric uricase on ferrocene-nafion modified glassy carbon electrode <i>Ghosh Tanushree (Department of Polymer Science and Technology, University of Calcutta, India)*</i>
118	MO-118	Magnetic nanoparticles synthesized by chemical slicing method <i>Murapaka Chandrasekhar (School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore)*</i>
119	MO-119	The effect of pulsed electromagnetic field therapy on delayed-onset muscle soreness in biceps brachii <i>Kang Sun-young (Department of Physical Therapy, Yonsei university, Korea)*</i>
120	MO-120	Accessing information of kidney stones with techniques of applied physics: possible diagnostic value <i>Stamopoulos Dimosthenis (Institute of Advanced Materials, Physicochemical Processes, Nanotechnology and Microsystems, NCSR Demokritos, Greece)*</i>
121	MO-121	Magnetic properties of a new quasi 1D sodium cobalt tellurate <i>Zvereva Elena (Faculty of Physics, Lomonosov Moscow State University, Russia)*</i>
122	MO-122	Transformations of space-modulated structures in BiFeO_3 -like multiferroics <i>Gareeva Zuhra (Institute of Molecular and Crystal Physics, Russian Academy of Sciences, Russia)*</i>
123	MO-123	Physical properties of unique mixed-valence quasi-one dimensional lithium-manganese tellurate system <i>Kurbakov Alexander (Petersburg Nuclear Physics Institute, National Research Centre "Kurchatov Institute", Russia)*</i>
124	MO-124	Exploring thermally-induced states in square artificial spin-ice arrays <i>Porro Jose Maria (CIC nanoGUNE, Spain)*</i>
125	MO-125	Multiferroicity In Doped And Undoped Batio 3 Nanoparticles <i>Golrokh Bahoosh Safa (Max Planck Institute of Microstructure Physics, Germany)*</i>
126	MO-126	Role of electron correlation of FeO at Fe/ferroelectric oxide/Fe interface for magnetic transport <i>Neroni Andrea (Peter Grünberg Institut and Institute for Advanced Simulation, Germany)*</i>
127	MO-127	Strain mediated electric control of magnetization in self-assembled vertical nanocomposite multiferroics <i>Rafique Mohsin (Magnetism Laboratory, COMSATS Institute of Information Technology, Pakistan)*</i>
128	MO-128	Microscopic coexistence of antiferromagnetism and spinglass states <i>Chillal Shrivani (ETH Zurich, Laboratory for Neutron Scattering and Magnetism, Switzerland)*</i>
129	MO-129	Magnetocaloric effect in a frustrated blume-capel model <i>Zukovic Milan (Department of Theoretical Physics and Astrophysics, Faculty of Science, P.J. Safarik University in Kosice, Slovakia)*</i>
130	MO-130	Magnetic order in Mn and Co in $\text{Mn}_{0.85}\text{Co}_{0.15}\text{W}_4$ by resonant magnetic x-ray scattering <i>Herrero-Martin Javier (ALBA Synchrotron Light Source, Spain)*</i>
131	MO-131	Magnetic Susceptibility Anomalies from Multiferroic Coupling Effects-Application to CdCr_2S_4 <i>Amaral J. S. (Dept. de Fisica and CICECO, Universidade de Aveiro, Portugal)*</i>

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1	TU-1	Role of joule heating in nonlinear electrical response of $\text{Tb}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ single crystal <i>Nhalil Hariharan (Department Of Physics, Indian Institute Of Science, India)*</i>
2	TU-2	Current-induced domain wall motion in ultra-thin layer with strong spin-orbit interaction <i>Jue Emilie (Spintec, France)*</i>
3	TU-3	Spin transport in germanium: optical and electronic measurement of the spin diffusion length <i>Cantoni Matteo (Lness - Dipartimento Di Fisica - Politecnico Di Milano, Italy)*</i>
4	TU-4	Relaxation of propagating spin waves in Yttrium iron garnet/Pt bilayers controlled by thermal gradients <i>Cunha Rafael (Df-Ufpe, Brazil)*</i>
5	TU-5	Magneto-transport in MnAs/GaAs(100) nano-ribbons <i>Fernandez Baldis Federico (CAB/CONICET, Argentina)*</i>
6	TU-6	Optical and magneto-optical studies of manganite-dielectric composites <i>Telegin Andrey (Institute Of Metal Physics, RAS, Russia)*</i>
7	TU-7	Collective vortex modes in magnonic crystals: multipolar effects on dispersion curves <i>Montoncello Federico (Dipartimento Di Fisica E Scienze Della Terra, University Of Ferrara, Italy)*</i>
8	TU-8	Tunneling magnetoresistance in ion-beam sputtered CoFeB/MgO/CoFeB magnetic tunnel junctions <i>Singh Braj Bhusan (Department Of Physics, Indian Institute Of Technology Delhi, India)*</i>
9	TU-9	Examination of oxynitride materials for low RA tunnel junctions <i>Atcheson Gwenael (Centre For Nanostructured Media, School Of Mathematics And Physics, Queen's University Belfast, Ireland)*</i>
10	TU-10	Magnetization reversal in nanotubes assisted by a circular field <i>Otalora Arias Jorge Augusto (Universidad Tecnica Federico Santa Maria, Chile)*</i>
11	TU-11	Anomalous hall effect in two-phase semiconductor structures: the crucial role of ferromagnetic inclusions <i>Kudrin Alexey (Department Of Physics, University Of Nizhny Novgorod, Russia)*</i>
12	TU-12	Co thin film metastable bcc structure formed on GaAs(111) substrate <i>Minakawa Shigeyuki (Faculty Of Science And Engineering, Chuo University, Japan)*</i>
13	TU-13	Spin resonance in Si/Ge structures with quantum dot rings <i>Zinovieva Aigul (Rzhanov Institute Of Semiconductor Physics, Russia)*</i>
14	TU-14	Manipulation of exchange coupling induced at $\text{Co}_2\text{FeSi}/\text{Cr}$ interfaces <i>Hirohata Atsufumi (Department Of Electronics, The University Of York, UK)*</i>
15	TU-15	Coupled dipole-exchange spin waves in trilayer nanostripes of permalloy: brillouin light scattering and theory <i>Tacchi Silvia (Istituto Officina Dei Materiali-Cnr, Unita Di Perugia, Italy)*</i>
16	TU-16	Simulation of vortex cores polarization switching in nanocolumnar conducting triplex structure <i>Ekomasov Andrey (Institute Of Physics And Technology, Bashkir State University, Russia)*</i>
17	TU-17	Simultaneous study of magnetization reversal and magnetoresistance in uniaxial magnetic anisotropy systems <i>Paolo Perna (Imdea Nanoscience, Spain)</i>
18	TU-18	Preparation and magnetic properties of high aspect ratio Ni-Fe-Mo flakes composites <i>Raolison Zo (Ipcms-Cnrs, France)*</i>
19	TU-19	In-plane anisotropy of thin yig films antidots arrays studied by ferromagnetic resonance techniques <i>Gieniusz Ryszard (Faculty Of Physics, University Of Bialystok, Poland)*</i>
20	TU-20	Spin wave dispersion in NiFe antidot array with alternating holes diameter <i>Madami Marco (Dipartimento Di Fisica, Universita Di Perugia, Italy)*</i>
21	TU-21	Bls and kerr effect studies of Ga^+ ions irradiated Pt/Co/Pt trilayers <i>Tahir Nadeem (Faculty Of Physics, University Of Bialystok, Poland)*</i>
22	TU-22	Dependence of the notch geometry on the domain wall propagation in permalloy nanowires <i>J. Brandão (Centro Brasileiro de Pesquisas Fisicas, Brazil)</i>
23	TU-23	A review on bias and unbalanced magnetron sputtering <i>Nickkholgh Amin (Department Of Chemistry, Material And Nanotechnology, Polytecnico Di Milano, Italy)*</i>
24	TU-24	A quasi-one-dimensional dissipative droplet in nanowire spin-valves with perpendicular magnetic anisotropy <i>Iacocca Ezio (Physics Department, University Of Gothenburg, Sweden)*</i>
25	TU-25	Electric field modulation of magnetic anisotropy in a Co ultra-thin film <i>Yamada Kihito (ICR, Kyoto University, Japan)*</i>
26	TU-26	Magnetization processes in permeability spectra of FeCuNbSiB material under ac magnetic field <i>Fuzer jan (Inst. of Physics P.J.Safarik University, Slovakia)*</i>
27	TU-27	Anomalous domain wall depinning behavior in cylindrical nanowires <i>Murapaka Chandrasekhar (School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore)*</i>
28	TU-28	Polarity-dependent vortex domain wall coupling <i>Murapaka Chandrasekhar (School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore)*</i>

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29	TU-29	The random-field approximation to treat the dipolar-interaction in systems of magnetic nanoparticles <i>Teixeira Landi Gabriel (Instituto De Fisica Da Universidade De Sao Paulo, Brazil)*</i>
30	TU-30	A simple current transforming harvester <i>Tan Tian-Yuan (School Of Electrical Engineering, Wuhan University, China)*</i>
31	TU-31	Spin wave emission by domain walls collision <i>Murapaka Chandrasekhar (School Of Physical And Mathematical Sciences, Nanyang Technological University, Singapore)*</i>
32	TU-32	Magnetic properties of single-crystalline ErFe_5Al_7 <i>Gorbunov Denis (Institute Of Physics, Czech Republic)*</i>
33	TU-33	Magnetic properties of electrodeposited and post-annealed Co/Ni bilayer thin films <i>Franczak Agnieszka (Laboratory Of Engineering And Material Science (Lism Ea 4695), France)*</i>
34	TU-34	Direct measurement of magnetocaloric effect of TbFeAl and GdFeAl <i>Jiří Kaštil (Department of Condensed Matter Physics, Institute of Physics ASCR, v.v.i., Czech Republic)*</i>
35	TU-35	Effect of hydrogen and pressure on magnetic properties of $\text{NdFe}_{11}\text{Ti}$ <i>Arnold Zdenek (Institute of Physics ASCR., Czech Republic)*</i>
36	TU-36	influence of thermal treatments on the martensitic transition of Ni-Fe-Co-Ga melt spun ribbons <i>Valeanu Mihaela (National Institute of Materials Physics, Romania)*</i>
37	TU-37	High-field magnetization study of single-crystalline $\text{RFe}_{11}\text{TiH}$ hydrides <i>Tereshina E.A. (Institute of Physics ASCR, Czech Republic)*</i>
38	TU-38	Stress and annealing dependence of magnetic properties in amorphous-nanocrystalline FeSiB alloys <i>Pershina Elena (ISSP Ras, Russia)*</i>
39	TU-39	Feasibility study of the production of high energy NdFeB magnets by powder injection moulding <i>Luca Sorana (CEA/LITEN/DTNM/LPCE, France)*</i>
40	TU-40	Magnetic properties of cobalt nitrides <i>M. B. Lourenço (CFMC / Dep. Fisica, Faculdade de Ciencias, Universidade de Lisboa, Portugal)*</i>
41	TU-41	Synthesis and properties of Fe-B-Si amorphous soft magnetic powders produced by mechanical alloying <i>Neamtu Bogdan Viorel (Material Science and Engineering Department, Technical University of Cluj-Napoca, Romania)*</i>
42	TU-42	Influence of Cr atoms on the crystal structure and magnetic properties of $\text{Fe}_{65}\text{Ni}_{35}$ invar alloy <i>M. Kądziołka-Gaweł (Chełkowski Institute of Physics, University of Silesia, Poland)*</i>
43	TU-43	High-field magnetization and magnetoacoustics of $\text{U}_2\text{Ni}_2\text{Sn}$ <i>Y. Skourski (Dresden High Magnetic Field Laboratory, Helmholtz-Zentrum Dresden-Rossendorf, Germany)*</i>
44	TU-44	Magnetic behaviour of cold-drawn superelastic Fe-Ni-Co-Al-Ta-B microwires <i>Borza Firuta (National Institute of R&D For Technical Physics, Romania)*</i>
45	TU-45	Magnetic anisotropy of rapidly solidified amorphous nanowires <i>Ovari Tibor-Adrian (National Institute of Research And Development For Technical Physics, Romania)*</i>
46	TU-46	High magnetic field study of the intersublattice exchange interactions in $\text{GdCo}_{12-x}\text{Fe}_x\text{B}_6$ ($x=0-3$) compounds <i>Diop Leopold Vincent Birane (Institut Neel, CNRS/Universite Joseph Fourier, France)*</i>
47	TU-47	High-temperature magnetization study of terbium iron garnet in strong dc magnetic fields <i>Lahoubi Mahieddine (Department of Physics, Badji Mokhtar Annaba University, Algeria)*</i>
48	TU-48	Structural instability and magnetic properties of Cu_2MnGe Heusler alloy <i>Khovaylo Vladimir (National University of Science And Technology, "MIS&S", Russia)*</i>
49	TU-49	Magnetic and magnetoelastic properties of amorphous $\text{Fe}_{75}\text{Si}_{10}\text{B}_{15}$ wires <i>Mokhovikov Aleksandr (Irkutsk State University, Russia)*</i>
50	TU-50	Kinetics of magnetic properties and structure of iron based melt-spun alloys <i>Frolov Anatoly (School of Natural Sciences, Far Eastern Federal University, Russia)*</i>
51	TU-51	FePd, FePt, and CoPt alloy epitaxial thin films with flat surfaces on MgO(111) substrates <i>Itabashi Akira (Faculty of Science And Engineering, Chuo University, Japan)*</i>
52	TU-52	Magnetic field enhanced soft magnetic properties of Fe-Co alloys <i>Rivoirard Sophie (CNRS/Creta, France)*</i>
53	TU-53	On the angular dependence of coercivity in NdFeB magnets <i>Ciuta Georgeta (Institut Neel, CNRS, France)*</i>
54	TU-54	UV curable silicone soft magnetic composites with various aspect ratio soft magnetic metal glass fillers <i>Xie Lei (ABB Corporate Research, Switzerland)*</i>
55	TU-55	Magnetic and transport properties of the Heusler system $\text{Ni}_{2-x}\text{Mn}_{1+x}\text{Sn}$ <i>Fichtner Tina (MPI CPFS, Germany)*</i>
56	TU-56	Iron oxide nanocomposite magnets produced by partial reduction of strontium hexaferrite <i>Tikkanen Jussi (Department of Physics and Astronomy, University of Turku, Finland)*</i>
57	TU-57	Low temperature phase transition in $\text{DyAl}_3(\text{Bo}_3)_4$ borate <i>Zayarnyuk Tetyana (Institute of Physics, Polish Academy Of Sciences, Poland)*</i>
58	TU-58	Thermal and magnetic properties of materials for cathodes of Li-Ion batteries <i>Lewinska Sabina (Institute of Physics, Polish Academy Of Sciences, Poland)*</i>
59	TU-59	Magnetocaloric effect and the temperature coefficient of the resistance of a $\text{La}_{0.85}\text{Ag}_{0.15}\text{MnO}_3$ epitaxial thin film <i>Cadogan J.M. (School of Physical, Environmental and Mathematical Sciences, UNSW Canberra, Australia)*</i>

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61	TU-61	Thermal properties of the (Nd,Ca)BaCo ₂ O _{5.5} cathode materials Gutowska Maria (Institute Of Physics, Polish Academy Of Sciences, Poland)*
62	TU-62	Steinmetz law in iron based soft magnetic composites Kollar Peter (Institute of Physics, Faculty of Science, P.J. Safarik University, Slovakia)*
63	TU-63	An atomic force microscopy study of eurofer-97 steel Stamopoulos Dimosthenis (Institute of Advanced Materials, Physicochemical Processes, Nanotechnology And Microsystems, NCSR Demokritos, Greece)*
64	TU-64	Optimization of quantity and placement of active (magnetic) elements in a beam-like structure Majewska Katarzyna (Institute of Fluid-Flow Machinery, Polish Academy Of Sciences, Poland)*
65	TU-65	Soft magnetic composite compacts of Fe/Fe ₃ O ₄ type. synthesis, magnetic and structural investigations Marinca Traian Florin (Materials Sciences And Engineering Department, Technical University Of Cluj-Napoca, Romania)*
66	TU-66	Magnetic properties of Nd ₂ Fe ₁₄ b/α-Fe nanocomposites obtained by mechanical milling and rapid annealing Pop Viorel (Faculty Of Physics, Babeş-Bolyai University, Romania)*
67	TU-67	Core loss characteristic of compacted supermalloy powder Oleksakova Denisa (Department Of Applied Mathematics, Faculty Of Mechanical Engineering, Technical University In Kosice, Slovakia)*
68	TU-68	Origin of the tunable phase transition process by Si substitution in Mn _{1.25} Fe _{0.70} P _{1-x} Si _x compounds Miao X.F. (Department of Radiation Science & Technology, Delft University of Technology, Netherlands)*
69	TU-69	Magnetocaloric effect and its implementation in critical behavior study of La _{0.67} Ba _{0.33} Mn _{0.90} Cr _{0.1} O ₃ manganite perovskites Oumezzine Marwene (Department Of Physics, University Of Sciences Of Monastir, Tunisia)*
70	TU-70	Microscopic insights into the magnetisation reversal process in hexagonal nano-scaled antidot lattices Joachim Grafe (Max Planck Institute For Intelligent Systems, Germany)*
71	TU-71	Direct imaging of magnetically dead layers in La _{0.67} Ca _{0.33} MnO ₃ by off-axis electron holography Rodriguez Gonzalez Luis Alfredo (LMA-INA; CEMES-CNRS, France)*
72	TU-72	Thin films of the ε-Fe ₂ O ₃ polar magnet by pulsed laser deposition Roig Anna (ICMAB-CSIC, Spain)*
73	TU-73	Core-shell multiferroic nanofibers produced by the electrospinning technique Almeida Bernardo (Centro de Fisica, Univ. Minho, Portugal)*
74	TU-74	Iron oxide nanoparticles within porous silicon for magnetically guided drug delivery Granitzer Petra (Institute Of Physics, Karl Franzens University Graz, Austria)*
75	TU-75	Tailoring of self-assembled micromagnetic nanocomposites Rumpf Klemens (Institute Of Physics, Karl Franzens University Graz, Austria)*
76	TU-76	Exploiting chemical order-disorder phase transitions for printing discrete magnetic patterns in thin films Bali Rantej (Institut Fur Ionenstrahlphysik Und Materialforschung, Helmholtz-Zentrum Dresden-Rossendorf, Germany)*
77	TU-77	Magnetic and structural transition in one dimensional hematite nanoparticles Ferreira Fabio F. (UFABC, Brazil)*
78	TU-78	Synthesis and magnetic properties of Co@Fe core-shell nanorods Viau Guillaume (LPCNO-INSA Toulouse, France)*
79	TU-79	Exchange bias properties of core-shell ferrite nanoparticles Depexrot Jerome (GFC-Universidade De Brasilia, Brazil)*
80	TU-80	Magnetic hysteresis and spin configuration in magnetostatically interacting multilayered nanodiscs Ognev Alexey (Far Eastern Federal University, Russia)*
81	TU-81	Exchange bias coupling strength in static and dynamic experiments: multilayer films of FeNi/IrMn Khanal Shankar (Advanced Materials Research Institute, University of New Orleans, USA)*
82	TU-82	Energetics and magnetic interactions of Mn pairs on reconstructed GaAs(001) surfaces: a first principles study Popielska Magdalena (Institute Of Theoretical Physics, University of Warsaw, Poland)*
83	TU-83	Electronic structure of the Cr(001) surface and Cr/MgO interface Leroy Marie-Alix (LLB/IRAMIS/CEA, France)*
84	TU-84	How the Gd ₂ C can be magneto-caloric Osati Reza (Department Of Physic, Tarbiat Modares University, Iran)*
85	TU-85	Detection of ground states in frustrated molecular rings by the in-field local magnetization profiles Kamieniarz Grzegorz (A. Mickiewicz University, Poland)*
86	TU-86	Size dependent magnetism in Sm _{0.27} Ca _{0.73} MnO ₃ nanoparticles Mogilyanky Dmitry (The ILSE Katz Institute, Ben-Gurion University of The Negev, Israel)*
87	TU-87	Magnetic structure of compensated ferromagnetic-multiferroic interface Morosov Alexander (Department of Condensed Matter Physics, MSTU Mirea, Russia)*
88	TU-88	Optical and magnetoresistive properties of the LSMO thin films on GGG substrates Zhikharev Igor (Donetsk Institute for Physics and Engineering Named After O.O. Galkin, Ukraine)*

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89	TU-89	Magnetic properties of maghemite nanoparticles coated with functional biocompatible polymers <i>Slawska-Waniewska Anna (Institute of Physics, Polish Academy of Sciences, Poland)*</i>
90	TU-90	$\text{Nd}_{3-x}\text{Bi}_x\text{Fe}_4\text{GaO}_{12}$ ($x=2, 2.5$) films on glass substrates prepared by mod method <i>Yoshida Tomohiko (Department of Materials Science And Technology, Nagaoka University of Technology, Japan)*</i>
91	TU-91	An Fe_2Dy_3 single molecular magnet with high energy barrier <i>Peng Guo (Institute Of Nanotechnology, Karlsruhe Institute of Technology, Germany)*</i>
92	TU-92	Investigation of Rashba effect and spin hall effect by hall measurements in ferromagnetic metal layers <i>Kawaguchi Masashi (ICR, Kyoto University, Japan)*</i>
93	TU-93	Temperature dependence of ferromagnetic resonance measurements in nanostructured line arrays <i>Raposo V. (Departamento de Fisica Aplicada, Universidad de Salamanca, Spain)*</i>
94	TU-94	Wideband ferromagnetic resonance in nanostructured permalloy antidot samples <i>Raposo V. (Departamento de fisica Aplicada, Universidad de Salamanca, Spain)*</i>
95	TU-95	hHgh temperature annealing of iron nanowires synthesized by simple chemical reduction <i>Krajewski Marcin (Institute Of Experimental Physics, Faculty of Physics, University of Warsaw, Poland)*</i>
96	TU-96	Study of the shape of the cores of magnetic vortices in nanodots <i>Guimaraes Alberto (CBPF, Brazil)*</i>
97	TU-97	Angle of polarization plane in magneto-optical diffraction for pt / co periodic patterns <i>Ishibashi Takayuki (Department of Mat. Sci. & Tech., Nagaoka University of Technology, Japan)*</i>
98	TU-98	Correlation of magnetic properties, chemical composition and atomic structure of Fe/Fe-O nanocubes <i>Migunov Vadim (Faculty of Physics and Center for Nanointegration (Cenide), University of Duisburg-Essen, Germany)*</i>
99	TU-99	Deterioration of exchange bias in CoO-Co bilayers by the roughness of the ZnO substrates <i>Stamopoulos Dimosthenis (Institute of Advanced Materials, Physicochemical Processes, Nanotechnology And Microsystems, NCSR Demokritos, Greece)*</i>
100	TU-100	Effect of iron dopping and thermal treatment on magnetic properties of anatase TiO_2 nanopowders <i>Tolea Felicia (National Institute of Materials Physics, Romania)*</i>
101	TU-101	Magnetic nitride nanoparticles produced by ion implantation <i>Cruz Maria Margarida (Dep. Fisica, Faculdade de Ciencias, Universidade de Lisboa, Portugal)*</i>
102	TU-102	Lithography-free synthesis of nanostructured Cobalt on Si_{111} surfaces: Structural and magnetic properties <i>Cherif Salim Mourad (LSPM, University Paris, France)*</i>
103	TU-103	Self-assembled formation of nanoparticle monolayers on the water surface studied by x-ray scattering <i>Ukleev Victor (Condensed Matter Department, Petersburg Nuclear Physics Institute, Russia)*</i>
104	TU-104	Exchange bias problem in the thin Ferro/Antiferromagnet bilayer <i>Pankratova Maryna (B. Verkin Institute for Low Temperature Physics And Engineering of The National Academy of Sciences of Ukraine, Ukraine)*</i>
105	TU-105	Encapsulated spin-crossover compounds: synthesis, magnetic properties and functionalization for deposition on gold surfaces <i>Gruschinski Sina (Faculty For Chemistry And Mineralogy, University of Leipzig, Germany)*</i>
106	TU-106	On the structural and magnetic properties of Sm-Co/FeCo thin films <i>Takacs Albert (Faculty of Physics, Babes-Bolyai University, Romania)*</i>
107	TU-107	Exchange interactions at the interface FM/AFM of nanocomposite obtained by mechanochemical synthesis <i>Miranda Lenine (Programa De Ciência De Materiais, UFPE, Brazil)*</i>
108	TU-108	Effect of layer thickness ratio on magnetization reversal process in stacked media with high coercivity <i>Oyama Akihiro (Media and Telecommunications Engineering, Ibaraki University, Japan)*</i>
109	TU-109	Magnetomechanical resonance based determination of material constants of magneto-optical crystals <i>linchevskiy Igor (National Technical University «Kyiv. Polytekh. Inst.», Ukraine)*</i>
110	TU-110	Combining high magnetization of FeCo and magnetic anisotropy of FePt in an epitaxial FePt/FeCo film <i>Ishio Shunji (Department of Materials Science and Engineering, Akita University, Japan)*</i>
111	TU-111	Rare-earth-doped phosphate glasses with interesting magneto-optical properties <i>Iordanescu Raluca (National Institute for Optoelectronics Inoe 2000, Romania)*</i>
112	TU-112	In-situ X-ray diffraction measurements of remote plasma sputtered L1_0 FePt thin films <i>Zygridou Smaragda (School of Computer Science, University of Manchester, UK)*</i>
113	TU-113	Magnetoelastic effect applied in biosensors <i>Gao Xianjuan (Wanjie Medical College, China)*</i>
114	TU-114	$\text{Fe}_{50}(\text{Pt}_{1-x}\text{Pd}_x)_{50}$ alloy thin films with L1_0 structure epitaxially grown on $\text{MgO}(001)$ substrates <i>Itabashi Akira (Faculty of Science and Engineering, Chuo University, Japan)*</i>
115	TU-115	Switching fields of high-resolution MFM tips coated with Co, $\text{Co}_{75}\text{Pt}_{10}\text{Cr}_{15}$, $\text{Co}_{75}\text{Pt}_{25}$, and $\text{Co}_{50}\text{Pt}_{50}$ films <i>Ishihara Shinji (Faculty of Science and Engineering, Chuo University, Japan)*</i>
116	TU-116	Substitutional effects on cein2: a ferromagnetic compound with a first order magnetic transition <i>Rodriguez Fernandez Jesus (Departamento De Fisica E Instalaciones-Etsam, Universidad De Cantabria, Spain)*</i>
117	TU-117	Structural and magnetic properties of $\text{Sr}_2\text{FeMoO}_6$ powders, bulk and thin films <i>Saloaro Minnamari (Wihuri Physical Laboratory, University of Turku, Finland)*</i>

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118	TU-118	Study of magnetic dynamics in low bandwidth manganite $\text{Pr}_{(1-x)}\text{Ca}_x\text{MnO}_3$ ($x=0.3-0.5$) by ac susceptibility measurements <i>Elovaara Tomi (Wihuri Physical Laboratory, Department of Physics And Astronomy, University of Turku, Finland)*</i>
119	TU-119	Coexistence of magnetism and superconductivity in Pt doped BaFe_2As_2 compound <i>Oner Yildirhan (Faculty of Science and Letter, Department of Physics, Marmara University, Turkey)*</i>
120	TU-120	Effect of the magnetic order on the band-gap of manganese-doped zinc oxide thin films <i>Ruotolo Antonio (Department of Physics And Materials Science, City University of Hong Kong, China)*</i>
121	TU-121	Vortex core properties in iron pnictides <i>Zakharchuk Ivan (Lappeenranta University of Technology, Finland)*</i>
122	TU-122	Cutoff parameter and vortex core size in d-wave superconductors <i>Belova Polina (Lappeenranta University of Technology, Finland)*</i>
123	TU-123	Control of composition and magnetic properties of $\text{LaMnO}_{3+\delta}$ thin films prepared by pulsed laser deposition <i>Marozau Ivan (Physics Department, University of Fribourg, Switzerland)*</i>
124	TU-124	Effects of pseudogap and superconductivity on the specific heat of the hubbard model <i>Calegari Eleonir J. (Departamento de Física, Universidade Federal de Santa Maria, Brazil)*</i>
125	TU-125	Realization and preliminary evaluation of a multipurpose magnetic filter for biomedical applications <i>Stamopoulos Dimosthenis (Institute of Advanced Materials, Physicochemical Processes, Nanotechnology and Microsystems, NCSR, Demokritos, Greece)*</i>
126	TU-126	Bombesin-functionalized & Gallium-68 radiolabeled iron oxide nanoparticles for dual-modality imaging <i>Stamopoulos Dimosthenis (Institute of Advanced Materials, Physicochemical Processes, Nanotechnology and Microsystems, NCSR, Demokritos, Greece)*</i>
127	TU-127	Co-Zn ferrite cores for magnetic resonance imaging prepared by coprecipitation <i>Veverka Miroslav (Institute of Physics ASCR, v.v.i., Czech Republic)*</i>
128	TU-128	Cobalt zinc ferrite nanoparticles prepared by thermal decomposition as contrast agent for MRI <i>Veverka Pavel (Institute of Physics ASCR, v.v.i., Czech Republic)*</i>
129	TU-129	New approaches in the design of the magnetic tweezers <i>Samsonova Valentina (Faculty of Physics, Lomonosov MSU, Russia)*</i>
130	TU-130	Mossbauer studies of iron oxides produced by alkaliphilic bacteria <i>Kubaniova Denisa (Faculty of Mathematics And Physics, Charles University In Prague, Czech Republic)*</i>
131	TU-131	Comparative evaluation of heating ability of different ferrite-based magnetic fluids in various mediums <i>Makridis Antonios (Department of Physics, Aristotle University Of Thessaloniki, Greece)*</i>
132	TU-132	Diamagnetic levitation at the micro-scale <i>Dias Andre (Institut Neel/G2elab, France)*</i>
133	TU-133	Magnetic properties of $\text{TbMn}_{1-x}\text{Fe}_x\text{O}_3$ ($0 < x < 1$) perovskite <i>Pissas Michael (Institute for Advanced Materials, Physicochemical Processes, Nanotechnology and Microsystems, National Centre for Scientific Research 'Demokritos', Greece)*</i>
134	TU-134	EuTiO_3 magnetoelectric properties investigated by neutrons and x-rays scattering <i>Mazzoli Claudio (Politecnico Di Milano, Italy)*</i>
135	TU-135	Equilibrium phases in the multiferroic $\text{BiFeO}_3\text{-PbTiO}_3$ system - a revisit <i>Venkatesh kothai (Department of Materials Engineering, Indian Institute of Science, India)*</i>
136	TU-136	Physics of nanocrystalline multiferroic materials <i>Poddar Pankaj (Physical & Materials Chemistry Division, National Chemical Laboratory, India)*</i>
137	TU-137	Influence of silver on the magnetoresistance and temperature coefficient of resistance in $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ <i>Bhat Masroor A. (Department of Physics, Barkatullah University, India)*</i>
138	TU-138	High pressure neutron diffraction experiment on triangular lattice antiferromagnet using hybrid-anvil-cell <i>Terada Noriki (National Institute for Materials Science, Japan)*</i>
139	TU-139	XAFS studies of diluted magnetic semiconductor Mn-doped ZnSnAs_2 thin films on inp substrates <i>Oomae Hiroto (Department of Electrical Engineering, Nagaoka University of Technology, Japan)*</i>
140	TU-140	Electric control of the superparamagnetic behavior in a composite multiferroic nanostructure <i>Sukhov Alexander (Insitut Für Physik, Martin Luther University Halle-Wittenberg, Germany)*</i>
141	TU-141	Structural and magnetic properties of $\text{Pb}_3(\text{Mn}_{0.84}\text{Cu}_{0.16})_7\text{O}_{15}$ <i>Sofronova Svetlana (I.V. Kirensky Institute of Physics SB RAS, Russia)*</i>
142	TU-142	A direct method for the experimental quantification of D_{11} piezoelectric coefficients <i>Stamopoulos Dimosthenis (Institute of Advanced Materials, Physicochemical Processes, Nanotechnology and Microsystems, NCSR, Demokritos, Greece)*</i>
143	TU-143	Magnetically frustrated CoAl_2O_4 spinel: growth, characterization and exotic magnetic order <i>Maljuk A. (IFW-Dresden, Germany)*</i>
144	TU-144	The bistability and susceptibility diamagnetic-like anomalies of antiferromagnetic phase of $\text{Ni}_{1.7}\text{Mn}_{1.3}\text{Bo}_5$ <i>Kolesnikova Evgeniya (I.V. Kirensky Institute of Physics SB RAS, Russia)*</i>
145	TU-145	Symmetry and magnitude of spin-orbit torques in ferromagnetic heterostructures <i>Ghosh Abhijit (ICN, Spain)*</i>

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2	TH-2	Arpes investigation of giant Rashba in GeTe <i>Rinaldi Christian (LNESS Centre - Politecnico di Milano, Italy) *</i>
3	TH-3	Critical exponents of dilute ferromagnetic semiconductors (Ga,Mn)N and (Ga,Mn)As <i>Stefanowicz Sylwia (Institute of Physics, Polish Academy of Sciences, Poland) *</i>
4	TH-4	Magneto-electric studies of (Ga,Mn)N based spin filter structures <i>Stefanowicz W. (Institute of Physics, Polish Academy of Sciences, Poland) *</i>
5	TH-5	Epitaxially strained Fe _{1-x} Co _x Si thin films and spin polarization <i>Sinha Priyasmita (School of Physics and Astronomy, University of Leeds, UK) *</i>
6	TH-6	The magnetic properties of BC ₂ N nanoribbon <i>Rufinus Jeff (Science Division, Widener University, USA) *</i>
7	TH-7	Spin-current operation in a Cu nano-ring <i>Hirohata Atsufumi (Department of Physics, University of York, UK) *</i>
8	TH-8	Half-doped manganite thin films for tunable resistance in tunnel junctions <i>Radaelli Greta (LNESS, Polo Regionale di Como-Politecnico di Milano, Italy) *</i>
9	TH-9	High-frequency switching of magnetic bistability in the "small disk on big disk" nanostructure <i>Stebliy Maksim (FEFU, Russia) *</i>
10	TH-10	Angle dependence study of phase noise in a magnetic tunnel junction based spin torque oscillator <i>P. K. Muduli (Department of Physics, Indian Institute of Technology, India) *</i>
11	TH-11	Domain wall depinning in notched Co ₅₀ Fe ₅₀ nanowires by in-situ lorentz microscopy <i>Magen C. (Lmaina, Universidad de Zaragoza, Spain) *</i>
12	TH-12	Inclusion of surface anisotropy in the micromagnetic analysis of exchange-coupled hard/soft bilayers <i>Solzi Massimo (Dept. of Physics and Earth Sciences - University of Parma, Italy) *</i>
13	TH-13	Domain wall propagation in nanocrystalline nanowires <i>Chiriac Horia (National Institute of R&D for Technical Physics, Romania) *</i>
14	TH-14	Modeling of optical responses from layers with harmonic modulation of dielectric function using RCWA <i>Chochol Jan (Nanotechnology Center, Technical University of Ostrava, Czech Republic) *</i>
15	TH-15	Surface magnetic domains dynamic in hard turned steel <i>Blazek Dalibor (VSB-Technical University of Ostrava, Czech Republic) *</i>
16	TH-16	Micromagnetic studies of coupling between cobalt nanoelectrodes <i>Szkudlarek Aleksandra (Faculty of Physics and Applied Computer Science, AGH University of Science and Technology, Poland) *</i>
17	TH-17	Magnetization dynamics of iron garnets in the compensation range <i>Lysov Mikhail (Physics Department, Ural Federal University, Russia) *</i>
18	TH-18	Hybrid models of hysteresis for mixed hysteretic loops in heterogeneous magnetic materials <i>Andrei Petru (Department of Electrical and Computer Engineering, Florida State University, USA) *</i>
19	TH-19	A first-order reversal-curve analysis of the bouc-wen model of hysteresis <i>Dimian Mihai (EECS Department, Stefan Cel Mare University, Romania) *</i>
20	TH-20	Magnetic resonance frequency of a stack of chiral magnetic plaquettes <i>Betto Davide (Trinity College Dublin, Ireland) *</i>
21	TH-21	Magnetic anisotropy of Fe ₅ Si _{1-x} P _x B ₂ : a DFT study <i>Werwinski Mirosław (Department of Physics and Astronomy, Uppsala University, Sweden) *</i>
22	TH-22	Magnetic properties of severe plastic deformed Nd and Sm rare-earth metals <i>Taskaev Sergey (Physics Department, Chelyabinsk State University, Russia) *</i>
23	TH-23	Non destructive evaluation of the degradation of mechanical properties of duplex stainless steel <i>Giannouli Christina (Laboratory of Physical Metallurgy, NTUA, Greece) *</i>
24	TH-24	Correlation between plastic deformation in trip 800 steel specimens and magnetic barkhausen noise <i>Varouti Eirini (Laboratory of Physical Metallurgy, NTUA, Greece) *</i>
25	TH-25	Synthesis and characterization of amorphous, magnetic Fe-Si-B ribbons <i>Varouti Eirini (Laboratory of Physical Metallurgy, NTUA, Greece) *</i>

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26	TH-26	Magnetic properties of single-crystalline Dy ₃ Ru ₄ Al ₁₂ <i>Henriques Margarida S. (IST/ITN, Technical University of Lisbon, Portugal)*</i>
27	TH-27	The role of Sn in magnetism of NiMnSn heusler alloys <i>Ollefs Katharina (ESRF, France)*</i>
28	TH-28	Electromagnetic properties of Ni-Mn-Ga thin films deposited on Si substrates <i>Pereira Maria (Department of Physics and Ciceco, University of Aveiro, Portugal)*</i>
29	TH-29	New green chemical strategy for direct synthesis of L1 ₀ FePt alloy from layered precursor <i>Hadjipanayis George (Department of Physics and Astronomy, University of Delaware, USA)*</i>
30	TH-30	Optical and magneto-optical spectroscopy of Mn ₂ Rh _x Co _{1-x} Sn heusler compounds <i>Beran Lukas (Institute of Physics, Charles University, Czech Republic)*</i>
31	TH-31	Anisotropic magnetocaloric effect in DyAl ₂ measured by sample rotation <i>Monteiro Jjose (Instituto de Fisica Gleb Wataghin, Brazil)*</i>
32	TH-32	High precision generalized magneto-optical ellipsometry <i>Gonzalez-Fuentes Claudio (UTFSM, Chile)*</i>
33	TH-33	Spectra of second order permittivity coefficients in cubic Fe, Co and Ni emerging from symmetry arguments <i>Hamrlova Jana (Nanotechnology Centre, VSB-TU Ostrava, Czech Republic)*</i>
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36	TH-36	How the atomic displacement can be due to the induced spin polarization <i>Kamali Sarvestani Negin (Damghan University, Iran)*</i>
37	TH-37	Mechanochemical synthesis of MnBi nanoparticles for rare-earth-free nanocomposite permanent magnets <i>George Hadjipanayis (Department of Physics and Astronomy, University of Delaware, USA)*</i>
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43	TH-43	Giant anisotropic magnetocaloric effect in DyBi single-crystal <i>Dos Reis Ricardo (Instituto de Fisica Gleb Wataghin, State University of Campinas, Brazil)*</i>
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49	TH-49	Numerical analysis and simulation design of a magnetorheological brake system <i>Gkanas Evangelos (Department of Mechanical Engineering, University of Western Macedonia, Greece)*</i>
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51	TH-51	Magnetostrictive polycrystalline Fe-Ga melt-spun ribbons for energy harvesting devices <i>Lupu Nicoleta (National Institute of R&D for Technical Physics, Romania)*</i>
52	TH-52	Direct research of magnetocaloric properties of Ni-Mn-In-Co alloy in high magnetic fields <i>Kamantsev Alexander (Kotelnikov ire RAS, Russia)*</i>
53	TH-53	Combined magnetic susceptibility, Hf-ESR and ^{57}Fe mossbauer measurements on a ferromagnetic FeLn single molecule magnet <i>Schmidt Sebastian (Institute of Inorganic Chemistry, Karlsruhe Institute of Technology, Germany)*</i>
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55	TH-55	Superspin glass freezing in the fine cobalt based nanoparticles <i>Zelenakova Adriana (Department of Solid State Physics, p. J. Safarik University, Slovakia)*</i>
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94	TH-94	<i>Manios Efthymios (Institute for Advanced Materials Physicochemical Processes Nanotechnology and Microsystems, NCSR DEMOKRITOS, Greece)*</i>
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