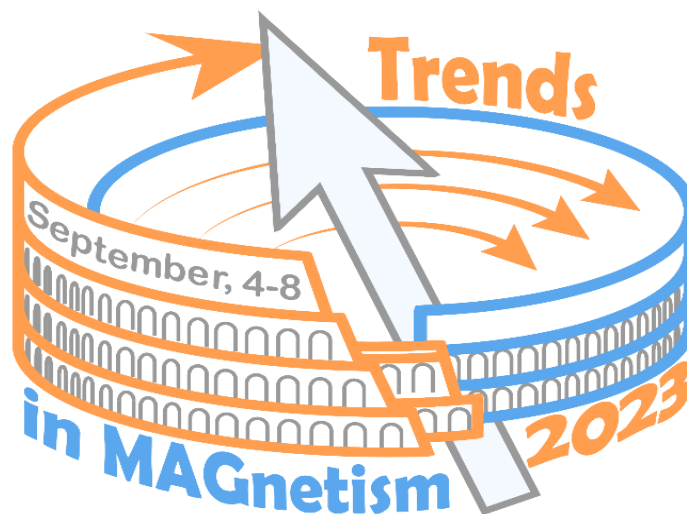




Trends in MAGnetism 2023 ***Rome, Italy – 4-8 September, 2023***



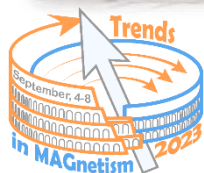
Program (updated 2023/09/02)

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Trends in MAGnetism 2023 ***Rome, Italy - 4-8 September, 2023***

Trends in Magnetism is a multidisciplinary forum where to share the latest advancements in magnetism, with a particular focus on trending topics. TMAG 2023 is the third event in a series of international conferences initiated by the PetaSpin association, which started with TMAG 2020 held in Cefalù in 2021 (<https://www.petaspin.com/tmag2020/>) and TMAG 2022 in Venice (<https://www.petaspin.com/tmag2022/>).

The trending topics of TMAG 2023 will be related to “Spintronic devices including *multiphysics* based design” and “biomedical applications of magnetism” where we want to create a chance for the experts in those fields to meet and move the scientific community forward.

The conference program will include six perspective talks and two keynote speakers.

Scientific Program committee

Giovanni Finocchio, University of Messina, Italy
Paola Tiberto, INRiM – Torino, Italy
Giovanni Carlotti, University of Perugia, Italy
Mario Carpentieri, Politecnico di Bari, Italy
Massimo Chiappini, INGV – Roma, Italy
Marco Lanuzza, Università della Calabria, Italy
Alessandra Manzin, INRiM – Torino, Italy
Giulio Siracusano, University of Catania, Italy
Zheng Zhongming, Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences, China

Publication committee

Giulio Siracusano (co-chair), University of Catania, Italy
Davi Rodrigues (co-chair), Politecnico di Bari, Italy
Andrea Meo, Politecnico di Bari, Italy
Anna Giordano, University of Messina, Italy

Conference Chairs



Giovanni Finocchio
University of Messina
giovanni.finocchio@unime.it



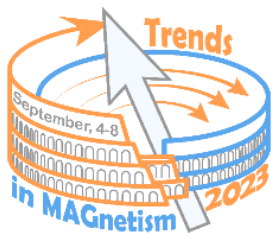
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Trends in MAGnetism 2023

Rome, Italy - 4-8 September, 2023

Program at a glance

	Mon4	Tue5	Wed6	Thu7	Fri8	
8:00 - 9:00	Registration					8:00 - 9:00
9:00 - 9:30	Opening					9:00 - 9:30
9:30 - 10:00	<i>Salvador Pané i Vidal, Invited</i>	<i>Hyunsoo Yang, Invited</i>	<i>Han Xiufeng (P), Invited</i>	<i>Johan Åkerman, Invited</i>	<i>Bernard Dieny, Invited</i>	9:30 - 10:00
10:00 - 10:30	<i>Marek Przybylski, Oral</i> <i>Igor Rozhansky, Oral</i>	<i>Bin Fang, Invited</i> <i>Andrea Meo, Oral</i> <i>Jae-Chun Jeon, Oral</i>	<i>Bethanie Stadler, Invited</i> <i>Mathias Kläui, Invited</i>	<i>Kang Wang, Invited</i> <i>Victor Lopez Dominguez, Oral</i> <i>Kosuke Fujiwara, Oral</i>	<i>Gaspere Varvaro, Invited</i> <i>Williams Saverio Torres, Oral</i> <i>Hiroki Hayashi, Oral</i>	10:00 - 10:30
10:30 - 11:00	<i>Andrea Migliorini, Oral</i> <i>Yves Acremann, Oral</i>	<i>Sanghoon Kim, Oral</i> <i>Alessandra Manzin, Oral</i>	<i>Ross Knapman, Oral</i> <i>Davi Röhe Rodrigues, Oral</i>	<i>Nikolai Khokhlov, Oral</i> <i>Zheng Zhenyi, Oral</i>	<i>Minori Goto, Oral</i> <i>Kausik Das, Oral</i>	10:30 - 11:00
11:00-11:30	COFFEE BREAK					11:00-11:30
11:30 - 13:00	<i>Peter Fischer (P), Invited</i> <i>Kai Liu, Invited</i> <i>Peter Rickhaus, Invited</i>	<i>Andrei Kirilyulk (P), Invited</i> <i>Katrin Schultheiß, Invited</i> <i>Lisa Herrera Diez, Invited</i>	<i>Andrew Kent (P), Invited</i> <i>Gregory Fuchs, Invited</i> <i>Vito Puliafito, Invited</i>	<i>Jairo Sinova (P), Invited</i> <i>Olena Gomonay, Invited</i> <i>Yaroslav Tserkovnyak, Invited</i>	<i>Gianluca Gubbiotti (P), Invited</i> <i>Stefano Bonetti, Invited</i> <i>Victorino Franco, Invited</i>	11:30 - 13:00
13:00 - 13:30	LUNCH BREAK (FREE)		LUNCH (SPONSORED)	<i>Franca Albertini, Invited</i>	Closing and award ceremony	13:00 - 13:30
13:30 - 14:30	LUNCH BREAK (FREE)		<i>Riccardo Tomasello, Invited</i>	LUNCH BREAK (FREE)		13:30 - 14:30
14:30 - 15:00	Poster Session-A		<i>Guaqiang Yu, Invited</i> <i>Mi-Young IM, Invited</i>	<i>Andrei Slavin, Invited</i> <i>Pedram Khalili Amiri, Invited</i>		14:30 - 15:00
15:00 - 16:00	Poster Session-B		Coliseum Tour <u>Group A* 16:10</u> <u>Group B* 16:10</u> <u>Group C* 16:50</u> <u>Group D* 16:50</u>	<i>Stuart Parkin(keynote), Invited</i>		15:00 - 16:00
16:00 - 17:00	<i>Yoshichika Otani, Invited</i>	<i>Caroline Ross, Invited</i>	*Departure Time	Free Time		16:00 - 17:00
17:00 - 17:30	<i>Jordi Sort, Invited</i>	<i>Jingsheng Chen, Invited</i>				17:00 - 18:00
17:30 - 18:00	Award contributions	<i>Henri Jaffres (keynote), Invited</i>				17:30 - 18:00
18:00 - 19:00	WELCOME RECEPTION			Social Dinner	Walking tour (to reserve)	18:00 - 19:00
19:00 - 20:30					Dinner in Trastevere (to reserve)	19:00 - 20:30
20:30 - 22:00						20:30 - 22:00

Notes:

The conference location will be in the heart of Rome, in Grand Hotel Palatino, Via Cavour 213 – ROME
 The conference Room is in SALA CESARINI in second floor - second level
 The Coffee break is in the hotel bar (ground floor)
 The Award Contributions, the Poster Session-A and B is inside SALA CESARINI
 Social Dinner is in the Castelli Romani outside Rome, departure at 17:30 Transfer to Social Dinner Place by BUS Meeting point Htl Palatino

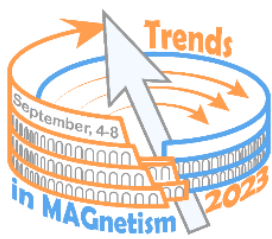
[Grand Hotel Palatino](http://www.grandhotelpalatino.com)

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Trends in MAGnetism 2023

Rome, Italy - 4-8 September, 2023

Program in detail

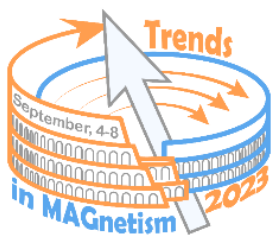
Monday 4	
8:00 - 9:00	Registration Opening
9:00 - 9:30	Giovanni Finocchio , co-Chair, University of Messina, Italy Paola Tiberto , co-chair, INRIM (Istituto Nazionale di Ricerca Metrologica) Torino, Italy Session Chair: Vito Puliafito
9:30 - 10:00	Salvador Pané i Vidal , ETH Zurich, Switzerland - "Magnetic Small-Scale Robots for Biomedical Applications"
10:00 - 10:15	Marek Przybylski , AGH University of Krakow, Poland - "MgZn and CuZn Micro- and Nanoparticles for MRI Thermometry"
10:15 - 10:30	Igor Rozhansky , University of Manchester, United Kingdom - "Spin-Light Coupling in Proximitized Dirac Materials"
10:30 - 10:45	Andrea Migliorini , Max Planck Institute for Microstructure Physics, Halle, Germany - "Energetically efficient current-induced domain wall motion in interface-engineered racetracks"
10:45 - 11:00	Yves Acremann , ETH Zurich, Switzerland - "Observing femtosecond spintronics by time and spin resolved photoelectron spectroscopy"
11:00 - 11:30	COFFEE BREAK
	Session Chair: Riccardo Tomasello
11:30 - 12:00	Peter Fischer (P) , Lawrence Berkeley National Laboratory, Berkeley, USA - "Exploring and harnessing new levels of complexity, frustration and chirality with 3d nanomagnetism"
12:00 - 12:30	Kai Liu , Georgetown University, USA - "Magneto-ionics with alternative ionic species"
12:30 - 13:00	Peter Rickhaus , Qnami AG, Basel, Switzerland - "Revealing magnetic textures in ferro- and antiferromagnetic memory devices using Scanning NV magnetometry"
13:00 - 15:00	LUNCH BREAK (FREE)
15:00 - 17:00	Poster Session-A (chairs: Anna Giordano - Andrei Kirilyuk - Liza Herrera Diez) Session Chair: Hyunsoo Yang
17:00 - 17:30	Yoshichika Otani , University of Tokyo, ISSP, Japan - "Octupole domain wall dynamics in novel chiral antiferromagnets Mn ₃ X (X = Sn, Ge)"
17:30 - 18:00	Jordi Sort , Autonomous University of Barcelona, Spain - "Voltage-control of magnetism: fundamental mechanisms and prospective applications in low-power memory and artificial synapses "
18:00 - 18:15	Award contribution 1 - Christian Rinaldi , Politecnico di Milano, Italy- "The exploitation of ferroelectrically-controlled spin-to-charge current conversion towards ultralow power devices"
18:15 - 18:30	Award contribution 2 - Jonathan Leliaert , Ghent University, Belgium - "Advancing theranostic applications of magnetic nanoparticles through multicolor imaging"
18:30 - 18:45	Award contribution 3 - Shun Okumura , The University of Tokyo, Tokyo, Japan- "Instability of skyrmion strings induced by longitudinal spinpolarized currents"
18:45 - 19:00	Award contribution 4 - Philippe Talatchian , SPINTEC, Grenoble, France- "Coupling superparamagnetic tunnel junctions for stochastic unconventional computing"
19:00 - 20:30	WELCOME RECEPTION

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Trends in MAGnetism 2023

Rome, Italy - 4-8 September, 2023

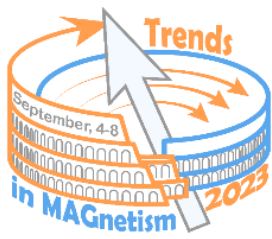
Tuesday 5	
Session Chair: <i>Pedram Khalili Amiri</i>	
9:00 - 9:30	Hyunsoo Yang , National University of Singapore, Singapore - " <i>Unconventional computing and energy harvesting using spin-devices</i> "
9:30 - 10:00	Bin Fang , Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences, China - " <i>Highly sensitive spin-torque diode and its application in neuromorphic computing</i> "
10:00 - 10:15	Andrea Meo , Politecnico di Bari, Italy - " <i>A micrometric accelerometer based on arrays of magnetic tunnel junctions</i> "
10:15 - 10:30	Jae-Chun Jeon , Max Planck Institute for Microstructure Physics, Halle, Germany - " <i>Multicore memristor realized by high resolution electrical detection of mobile domain walls</i> "
10:30 - 10:45	Sanghoon Kim , University of Ulsan, Korea- " <i>Bulk-Rashba Effect in Pt/Co/W Artificial Superlattices</i> "
10:45 - 11:00	Alessandra Manzin , INRiM, Torino, Italy " <i>A novel 3D micromagnetic solver for simulating arrays of nanomagnets and nanodevices interacting in the space</i> "
11:00 - 11:30	COFFEE BREAK
Session Chair: <i>Kai Liu</i>	
11:30 - 12:00	Andrei Kirilyuk (P) , Radboud University, Nijmegen, The Netherlands - " <i>Ultrafast opto-magneto-electronics for non-dissipative information technology</i> "
12:00 - 12:30	Katrin Schultheiß , Helmholtz-Zentrum Dresden-Rossendorf, Germany - " <i>Pattern recognition with nonlinear magnonic hardware</i> "
12:30 - 13:00	Liza Herrera Diez , CNRS-Université Paris-Saclay, France - " <i>Magneto-ionics in CoFeB alloys</i> "
13:00 - 15:00	LUNCH BREAK (FREE)
15:00 - 17:00	Poster Session-B (chairs: Guoqiang Yu - Alessandra Manzin - Gregory Fuchs)
Session Chair: <i>Paola Tiberto</i>	
17:00 - 17:30	Caroline Ross , Massachusetts Institute of Technology, USA - " <i>Designing magnetic garnets for spintronics and photonics</i> "
17:30 - 18:00	Jingsheng Chen , National University of Singapore - Singapore - " <i>New strategy for spin logic device and efficient switching of antiferromagnet</i> "
18:00 - 18:45	Henri Jaffres (keynote) , Université Paris-Saclay, UMR CNRS-Thale, France - " <i>Orbitronics: orbit currents induced by charge/spin currents, FMR or light for torques or TeraHz emission</i> "

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Trends in MAGnetism 2023

Rome, Italy - 4-8 September, 2023

Wednesday 6

Session Chair: **Peter Fischer**

9:00 - 09:30 **Xiufeng Han(P)**, Chinese Academy of Sciences, China - "From Spintronics to Magnonics"

9:30 - 10:00 **Mathias Kläui**, Johannes Gutenberg University Mainz, Germany - "Skyrmions in Spin-Orbitronics and Orbitronics – novel science and applications in memory and non-conventional computing "

10:00 - 10:15 **Williams Savero Torres**, Université Grenoble Alpes / CEA / IRIG / SPINTEC, Grenoble, France - "Room temperature spin-to-charge interconversion in ferroelectric Germanium Telluride nanodevices "

10:15 - 10:30 **Hiroki Hayashi**, Keio University, Japan - "Observation of long-range orbital transport in ferromagnet"

10:30 - 10:45 **Ross Knapman**, University of Duisburg-Essen, Germany - "Spacetime magnetic hopfions"

10:45 - 11:00 **Davi Röhe Rodrigues**, Politecnico di Bari, Italy - "Single magnetic tunnel junction implementation of a bio-realistic firing neuron"

11:00 - 11:30 **COFFEE BREAK**

Session Chair: **Olena Gomony**

11:30 - 12:00 **Andrew Kent (P)**, New York University, USA - "Spintronics with Ferrimagnetic and Antiferromagnetic Insulators"

12:00 - 12:30 **Gregory Fuchs**, Cornell University, USA - "Imaging the switching of antiferromagnetic and multiferroic devices using a single spin microscope"

12:30 - 13:00 **Vito Puliafito**, Politecnico di Bari, Italy - "Theory of simulated oscillator-based Ising Machine"

13:00 - 14:30 **LUNCH (SPONSORED)**

Session Chair: **Davi Röhe Rodrigues**

14:30 - 15:00 **Riccardo Tomasello**, Politecnico di Bari, Italy - "Generation of two distinct skyrmion types in magnetic heterostructures and voltage-induced switching from one type to another "

15:00 - 15:30 **Guoqiang Yu**, University of Chinese Academy of Sciences, Beijing, China - "Research progress of magnetic skyrmions in thin film heterojunctions"

15:30 - 16:00 **Mi-Young IM**, Lawrence Berkeley National Laboratory, Berkeley, USA - "Controlli'ng topological spin textures from generation to movement for advanced microelectronic application"

16:00 - 18:45 **Coliseum Tour**

note: Group A* and B* 16:10 / Group C* and D* 16:50 (* Departure Time)

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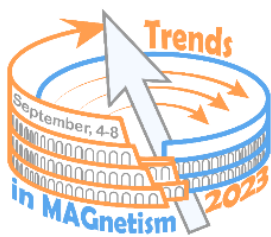


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Trends in MAGnetism 2023

Rome, Italy - 4-8 September, 2023

Thursday 7

Session Chair: **Andrei Slavin**

- 9:00 - 9:30 **Johan Åkerman**, University of Gothenburg, Sweden - "*Spin wave and spin Hall nano-oscillator based Ising Machines*"
- 9:30 - 10:00 **Kang Wang**, University of California, Los Angeles, USA - "*Voltage control magnetism and their applications*"
- 10:00 - 10:15 **Victor Lopez Dominguez** - Universitat Jaume I - "*Non-based charge computing by voltage-controlled skyrmionic magnon Switch*"
- 10:15 - 10:30 **Kosuke Fujiwara**, The University of Tokyo, Japan - "*Nonlinear magnon spin currents induced by the electric field in noncentrosymmetric spin systems*"
- 10:30 - 10:45 **Nikolai Khokhlov**, Radboud University, Nijmegen, Netherlands - "*Double pulse all-optical coherent control on magnetization reorientation in the presence of anomalous damping in antiferromagnets*"
- 10:45 - 11:00 **Zheng Zhenyi**, National University of Singapore - "*Coexistence of magnon-induced and rashba-induced unidirectional magnetoresistance in antiferromagnet*"

COFFEE BREAK

Session Chair: **Mario Carpentieri**

- 11:30 - 12:00 **Jairo Sinova (P)**, Johannes Gutenberg University Mainz, Germany - "*The emergent research landscape of altermagnetism: d-wave unconventional magnetism and its new connections*"
- 12:00 - 12:30 **Olena Gomonay**, University of Mainz, Germany - "*Weak vs hidden magnetization: magnon dynamics in anti- and altermagnets*"
- 12:30 - 13:00 **Yaroslav Tserkovnyak**, University of California, Los Angeles, USA - "*From energy storage to neuromorphics based on topological spin textures*"
- 13:00 - 13:30 **Franca Albertini**, IMEM-CNR, Parma, Italy - "*Magnetic shape memory Heuslers for energy and biomedical applications*"

LUNCH BREAK (FREE)

Session Chair: **Giovanni Finocchio**

- 15:00 - 15:30 **Andrei Slavin**, Oakland University, Rochester, USA - "*Thermodynamic coherent amplifier of spin wave modes*"
- 15:30 - 16:00 **Pedram Khalili Amiri**, Northwestern University, USA - "*Progress and perspectives on antiferromagnetic memory and computing devices*"
- 16:00 - 17:00 **Stuart Parkin (keynote)**, Max Planck Institute for Microstructure Physics, Halle, Germany - "*Chiral Spintronics*"

Free Time

Social Dinner

Social Dinner is in the Castelli Romani outside Rome, departure at 17:30 Transfer to Social Dinner Place by BUS Meeting Point Htl Palatino

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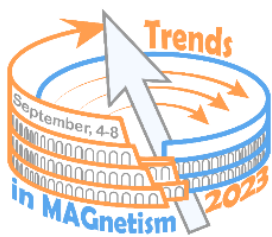


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Trends in MAGnetism 2023

Rome, Italy - 4-8 September, 2023

Friday 8

Session Chair: **Gianluca Gubbiotti**

9:00 - 09:30 **Bernard Dieny**, SPINTEC, Univ.Grenoble Alpes/CEA-INAC/CNRS, France - "Towards innovative treatments of cancers and diabetes based on magneto-mechanical stimulation of cells"

9:30 - 10:00 **Bethanie Stadler**, University of Minnesota, USA - "Predictable, engineered nanowarming using magnetic nanobars for restoring cryopreserved bio-specimens"

10:00 - 10:30 **Gaspere Varvaro**, CNR-ISM, nM2-Lab, Roma, Italy - "Synthetic antiferromagnets for biomedical and flexible spintronic applications"

10:30 - 10:45 **Minori Goto**, University of Fukui, Japan - "Poly-Crystalline Silicon-inserted Vertical Spin Valve"

10:45 - 11:00 **Kausik Das**, Polish Academy of Sciences, Warszawa, Poland - "Magnetic dynamical properties and ferromagnetic resonance in $Ga_{1-x}Mn_xN$ layers"

11:00 - 11:30 **COFFEE BREAK**

Session Chair: **Victor Lopez Dominguez**

11:30 - 12:00 **Gianluca Gubbiotti (P)**, CNR-IOM, Perugia, Italy - "Exploring the third dimension in magnonics"

12:00 - 12:30 **Stefano Bonetti**, Ca' Foscari University of Venice, Italy - "Terahertz electric field driven dynamical multiferroicity in $SrTiO_3$ "

12:30 - 13:00 **Victorino Franco**, University of Seville, Spain - "Magnetocaloric effect: from materials to devices"

13:00 - 13:30 **Closing and award ceremony**

18:00 - 19:00 **Walking tour (to reserve)**

19:00 - 22:00 **Dinner in Trastevere (to reserve)**

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Poster sessions

Poster Session-A, Monday 4, 15:00 - 17:00 SALA CESARINI

Monday Sala A POSITION POSTER	Presenting Author - Poster title
MA1	Anitha Kumari Rajeev Aarathy - University of Kerala, India - "Physicochemical properties and AC magnetic field induced heating properties of solvothermally prepared thiospinel: Fe ₃ S ₄ (greigite) nanoparticles "
MA2	Daniele Centanni - Università Parthenope di Napoli, Italy - " Sustainable design of large aperture magnets for high energy physics and medical diagnostics "
MA3	Giulio Siracusano - University of Catania, Italy - "Effective processing pipeline PACE 2.0 for enhancing chest x-ray contrast and diagnostic interpretability"
MA4	Jozef Kimák - Charles University, Prague, Czech Republic - "Ultrafast inverse Cotton-Mouton effect in thin film of noncollinear antiferromagnet Mn ₃ NiN "
MA5	Ryota Yambe - University of Tokyo, Japan - "Symmetry analysis of light-induced magnetic interactions via Floquet engineering"
MA6	Aleksandr Buzdakov - I-FEVS, Turin, Italy - "Phase diagrams for magnetic field and temperature induced ferromagnetism in antiferromagnetic FeRh "
MA7	Torstein Hegstad - Radboud University, The Netherlands - "Identifying signatures of ultrafast skyrmion nucleation in reciprocal space"
Monday Sala B POSITION POSTER	Presenting Author - Poster title
MB1	Simone Laterza - University of Trieste, Italy - "All-optical spin injection in silicon revealed by element-specific time-resolved Kerr effect"
MB2	Rein Liefferink , Radboud University, Nijmegen, The Netherlands - "space-time dynamics of topological magnetic fluctuation states"
MB3	Mrudul Muraleedharan - Uppsala University, Sweden - "Role of laser intensity and electron coherence in ultrafast demagnetization in FePt"
MB4	Bruno P. Alho -Universidade do Estado do Rio de Janeiro, Brazil - "Study of magnetic and magnetocaloric effect on the high entropy alloy Gd _{0.2} Tb _{0.2} Dy _{0.2} Ho _{0.2} Er _{0.2} Al ₂ "
MB5	Stefano Lumetti -Silicon Austria Labs GmbH, Austria - "Design of planar AMR sensor arrays for 3D magnet motion tracking"
MB6	Raffaele Silvani - Università degli Studi di Perugia, Italy - "Micromagnetic simulation of confined spin eigenmodes innanostructured magnetic films with different software packages"
MB7	Sergey Erokhin - General Numerics Research Lab, Jena, Germany- "Atomistic and mesoscopic modeling of ferromagnetic/antiferromagnetic nanocomposite materials"
MB8	Marko Jesenik - University of Maribor, Slovenia - "Hysteresis model based on a measured main hysteresis loop and first order reversal curves"
MB9	Perla Malagò - Silicon Austria Labs GmbH, Austria - "Design and optimization of linear AMR sensor response"
MB10	Julien Mordret - Univ Rennes, CNRS, France - "Constrained domain wall in atomic-sized constrictions between ferromagnetic nanostructures"
Monday Sala C POSITION POSTER	Presenting Author - Poster title
MC1	Paula Ribeiro - Universidade do Estado do Rio de Janeiro, Brazil - "Spin reorientation transition in Dy _{1-x} TbxAl ₂ compounds"
MC2	Matthias Riepp - Université de Strasbourg, CNRS, France - "Structural and Magnetic Inhomogeneity in GdCo Studied by X-ray Resonant Magnetic Reflectivity"
MC3	Yan Li - King Abdullah University of Science and Technology, Saudi Arabia - "Unconventional Spin Pumping and Magnetic Damping in an Insulating Compensated Ferrimagnet"
MC4	Mathieu Moalic - Adam Mickiewicz University,Poznan, Poland - "Antidot lattice with perpendicular magnetic anisotropy: dynamics between edge modes and bulk modes"
MC5	Sanghoon Kim - University of Ulsan, Korea- "Giant in-plane anisotropy of magnetic damping in epitaxial Cr/Fe bilayer"
MC6	Aitian Chen - King Abdullah University of Science and Technology, Thuwal, Saudi Arabia - "Switching magnetic strip orientation using electric fields"
MC7	Markus Weißenhofer -Uppsala University Sweden - " Exceptional temperature-dependence of Brownian dynamics of topological magnetic textures"
MC8	Dennis Wuhler - University of Konstanz, Germany - " Magnon squeezing in conical spin spirals "
MC9	Mahsa Seyed Heydari - University of Konstanz, Germany - " Influence of disorder at Insulator-Metal interface on spin transport "



Poster sessions

Poster Session-B, Tuesday 5, 15:00 - 17:00 SALA CESARINI

Tuesday Sala A POSITION POSTER	Presenting Author - Poster title
TA1	Salima Labidi - Badji Mokhtar University, Annaba, Algeria - " <i>Structural, Electronic, magnetic and Thermal Properties of ZnO/Fe Wurtzite Phase - First-Principle Investigation</i> "
TA2	Debarghya Dutta - University of Basel, Switzerland - " <i>Engineering spin textures and dynamics in magnetic van der Waals heterostructures</i> "
TA3	Kotaro Shimizu - The University of Tokyo, Japan - " <i>Emergent electric field and magnetic resonance in a one-dimensional chiral magnet</i> "
TA4	Esteban Garzón - University of Calabria, Rende, Italy - " <i>MRAM Based Associative Memory For In-Memory Computing</i> "
TA5	Aijaz Lone - King Abdullah University of Science and Technology, Thuwal, Saudi Arabia - " <i>Multilayer Spintronic device as a synapse and neuron for neuromorphic computing</i> "
TA6	Luciano Mazza - Politecnico di Bari, Italy - " <i>Binary neural networks realized with cascade MTJ vortices</i> "
TA7	Eleonora Raimondo - University of Messina, Italy - " <i>Probabilistic Computing with magnetic tunnel junctions</i> "
TA8	Dominique J. Kösters - Radboud University, The Netherlands - " <i>Benchmarking neuromorphic hardware for simulating quantum magnetism with machine learning</i> "
Tuesday Sala B POSITION POSTER	Presenting Author - Poster title
TB1	Andrea Grimaldi - University of Messina, Italy - " <i>Coherent and probabilistic Ising machines with magnetic tunnel junctions</i> "
TB2	Oliver Fridorf - Aarhus University, Denmark - " <i>Resistive-based temperature sensor based on spintronics devices</i> "
TB3	Dimitris Kechrakos - School of Pedagogical and Technological Education, Athens, Greece - " <i>Mechanism of spin-orbit torque switching of magnetization in Co1-xTbx multilayers with vertical composition gradient</i> "
TB4	Elena Semenova - General Numerics Research Lab, Jena, Germany - " <i>Phase diagrams of precession regimes in spin-torque diodes for energy harvesting</i> "
TB5	Satoshi Haku - Keio University, Yokohama, Japan - " <i>Drastic reduction of spin-orbit torque by inserting NiO thin film</i> "
TB6	Hiroyuki Moriya - Keio University, Yokohama, Japan - " <i>Spin Hall effect in the insulating regime</i> "
TB7	Nozomi Soya - Keio University, Yokohama, Japan - " <i>Temperature dependence of spin-orbit torque in Ni81Fe19/AlOx/SrTiO3 heterostructure</i> "
TB8	Mari Taniguchi - Keio University, Yokohama, Japan - " <i>Nonlocal orbital torques in magnetic multilayers</i> "
TB9	Dongxing Zheng - King Abdullah University of Science and Technology, Thuwal, Saudi Arabia - " <i>Magnon-mediated magnetization switching in all oxide heterostructures</i> "
TB10	Federica Celegato - Istituto Nazionale di Ricerca Metrologica (INRIM), Torino, Italy - " <i>Electric field control of magnetization reversal in FeGa/PMN-PT</i> "
Tuesday Sala C POSITION POSTER	Presenting Author - Poster title
TC1	Emily Darwin - Empa, Switzerland - " <i>Antiferromagnetic interlayer exchange coupled Co68B32/Ir/Pt multilayers</i> "
TC3	Mateusz Gołębiewski - Adam Mickiewicz University, Poznań, Poland - " <i>Magnonic properties of 3D Nickel Gyroid Networks</i> "
TC4	Eunji Lim - University of Ulsan, Korea - " <i>Growth mechanism of the spin current source forming the interface with the L10 FePt layer</i> "
TC5	Oksana Koplak - Politecnico di Milano, Italy - " <i>Design and functional properties of SmCo films for MEMS devices</i> "
TC6	Andriani Vervelaki - University of Basel, Switzerland - " <i>Revealing the spin texture of the 2D vdW Cr2Ge2Te6</i> "
TC7	Kousik Bagani - University of Basel Switzerland - " <i>Layer dependent magnetization in 2D vdW Cr2Ge2Te6</i> "
TC8	Piotr Józef Bardziński - University of Wrocław, Wrocław, Poland - " <i>BMagnetic anisotropy alteration by shock-compression of single grain flux-grown icosahedral AlCuFe quasicrystal</i> "
TC9	Mahieddine Lahoubi - University of Badji Mokhtar Annaba, Algeria - " <i>Magnetic field-induced phase transition and weak ferromagnetism in nonsuperconducting optimally doped PrBCO cuprate</i> "
TC10	Daria V. Kuntu - Ioffe Institute, St. Petersburg, Russia - " <i>Ultrafast laser-induced spin dynamics in van der Waals 2D antiferromagnets NiPS3 and FePS3</i> "