



SSM 2017

SOL-SKYMAG 2017

June 19 – June 23, 2017

San Sebastian (Gipuzkoa), Spain

PROGRAM

Sol-SkyMag 2017

The 2nd International Conference on "Nanomagnetism and Spintronics" (Sol-SkyMag 2017) will be held in the Carlos Santa Maria Library, Gipuzkoa campus of the University of the Basque Country, San Sebastian, Spain on **June 19 – June 23, 2017**. San Sebastian is one of the most beautiful cities of the Europe located in Gipuzkoa province, the Basque Country, Spain. The city was selected as the European Capital of Culture for 2016.

The Sol-SkyMag is an abbreviation from Solitons and Skyrmion Magnetism, but the scope of the conference is essentially wider. The Sol-SkyMag conference serves to assess the status, recent progress, and development in the field of nanomagnetism and spintronics. The conference provides an international forum to discuss recent progress and trends in the field and to identify potential future collaborations. In particular, we aim at bringing together the community of leading researchers working the area of nanomagnetism, spin dynamics, spin-transport, etc., and their applications.

The program of the Sol-SkyMag 2017 includes about of 25 invited talks presented by leading experts in the field, oral talks and poster contributions.

Welcome to Sol-SkyMag 2017!

Sol-SkyMag 2017 Chairman,

Kostyantyn Gusliyenko

Organizing Committee

- Kostyantyn Gusliyenko, UPV/EHU, San Sebastian, Spain (Chairman)
- Julian Gonzalez, UPV/EHU, San Sebastian, Spain
- Ai Ping Chen, UPV/EHU, San Sebastian, Spain
- Yuliya Gusliyenko, Irura, Gipuzkoa, Spain (Secretary)
- Julian Zafra Barragan, Irura, Gipuzkoa, Spain

International Advisory Committee

- R. Chantrell, University of York, UK
- O. Chubykalo-Fesenko, Inst. Ciencia de Materiales de Madrid, Spain
- V. Cros, Unité Mixte de Physique CNRS/Thales, France
- J. Gonzalez, Universidad del País Vasco, Spain
- A. Hoffmann, Argonne National Lab, Illinois, USA
- G. Kakazei, University of Porto, Portugal
- A. Serga, University of Kaiserslautern, Germany
- A. Slavin, Oakland University, Michigan, USA
- A. Thiaville, Universite Paris-Sud & CNRS, France
- A. Zvezdin, Prokhorov General Physics Institute, Moscow, Russia

PROGRAM AT A GLANCE

<u>19.06.2017</u>	<u>20.06.2017</u>	<u>21.06.2017</u>	<u>22.06.2017</u>	<u>23.06.2017</u>
	Late registration 8.30 – 9.00			
	Opening 9.00 – 9.10	Invited and oral talks 9.00 – 11.00	Invited and oral talks 9.00 – 11.00	Invited and oral talks 9.00 – 11.00
	Invited talks 9.10 – 11.20			
	Coffee break 11.20 – 11.50	Coffee break 11.00 – 11.30	Coffee break 11.00 – 11.30	Coffee break 11.00 – 11.30
	Invited and oral talks 11.50 – 13.50	Invited and oral talks 11.30 – 13.45	Invited and oral talks 11.30 – 14.30	Invited and oral talks 11.30 – 14.15
	Lunch 13.50 – 15.30	Lunch 13.45 – 15.30	Lunch 14.30 – 16.30	Conference closing & Refreshment 14.15 – 14.45
	Oral talks 15.30 – 17.15	Invited and oral talks 15.30 – 17.00	Meeting at the Catamaran dock 16.30 – 16.50	
Registration 18.00 – 19.00	Refreshment 17.15 – 17.45	Refreshment 17.00 – 17.30		
Welcome party 19.00 – 21.00	Poster Session 17.15 – 19.30	Invited and Oral talks 17.30 – 19.15	Catamaran trip 17.00 – 19.00	
		Conference dinner 20.30 – 23.00		

Program of the Sol-SkyMag 2017 conference

June 19 - 23, 2017, San Sebastian, Gipuzkoa, Spain

Carlos Santamaría Library Conference Hall (1st floor)



	<u>Monday, June 19, 2017</u>
18:00-19:00	Onsite registration, City Hall, San Sebastian downtown
19:00-21:00	<u>Welcome party, City Hall, San Sebastian downtown</u>

	<u>Tuesday, June 20, 2017</u>
8:30-9:00	Late registration (only cash payment is accepted)
9:00-9:10	Conference opening: <i>Nekane Balluerka Lasa, Rectora Magnífica de la Universidad del País Vasco</i> <i>Kostyantyn Gusliyenko / Julian Gonzalez</i>
9:10-13:50	Session 1. Magnetic skyrmions I Chairs: Axel Hoffmann / Giovanni Finocchio
9:10-9:50	Plenary talk: Albert Fert , Unité Mixte de Physique CNRS / Thales, France: <i>"Small and fast skyrmions, a challenge on the way to spintronic devices"</i>
9:50-10:20	Invited talk: Naoya Kanazawa , University of Tokyo, Japan: <i>"Control of chiral magnetic states in B20-type compounds by tuning magnetic anisotropy"</i>
10:20-10:50	Invited talk: Dirk Grundler , Ecole Polytechnique Fédérale de Lausanne, Switzerland: <i>"Magnonic excitations of helices and skyrmion lattices in bulk chiral magnets"</i>
10:50-11:20	Invited talk: Marijan Beg , University of Southampton, UK: <i>"Skyrmionic states in confined helimagnetic nanostructures"</i>
11:20-11:50	<u>Coffee / tea break</u>
11:50-12:20	Invited talk: Charles Reichhardt , Los Alamos National Laboratory, NM, USA: <i>"Dynamics of driven skyrmions: fluctuations, structure, and Hall angle"</i>
12:20-12:50	Invited talk: Axel Hoffmann , Argonne National Laboratory, IL, USA: <i>"Manipulating Room Temperature Magnetic Skyrmions"</i>
12:50-13:20	Invited talk: Hai Feng Ding , Nanjing University, China: <i>"Hybrid Magnetic Skyrmions"</i>
13:20-13:35	Oral talk: Ivica Zivkovic , École Polytechnique Fédérale de Lausanne, Switzerland: <i>"Stability of the skyrmion phase in Cu₂OSeO₃ under hydrostatic pressure"</i>
13:35-13:50	Oral talk: Boris Gross , University of Basel, Switzerland: <i>"Néel-type skyrmions in multiferroic lacunar spinels – Mapping out a stability phase diagram using dynamic cantilever magnetometry"</i>
13:50-15:30	<u>Lunch break</u>

15:30-17:15	Session 2. Magnetism of nanoscale systems Chairs: Robert Stamps / Gleb Kakazei
15:30-15:45	Oral talk: Marcus Weigand , Max Planck Institute for Intelligent Systems, Stuttgart, Germany: <i>"Nanoscale imaging of spin structures and waves using X-rays"</i>
15:45-16:00	Oral talk: Manuel Valvidares , ALBA Synchrotron Light Facility, Barcelona, Spain: <i>"Graphene-based synthetic antiferromagnets, ferri-magnets and related nanoscale systems"</i>
16:00-16:15	Oral talk: Lyudmila Uspenskaya , Institute of Solid State Physics RAS, Chernogolovka, Russia: <i>"Variation of magnetic properties of Pd_{0.99}Fe_{0.01} nanofilms at 3D-2D transition with thickness reduction"</i>
16:15-16:30	Oral talk: Marcos Penedo , Swiss Federal Laboratories for Materials Science and Technology, Switzerland: <i>"Nanoscale Mallison-Halbach effect based on thin film multilayers with interfacial DMI"</i>
16:30-16:45	Oral talk: Alexander Kurbakov , NRC Kurchatov Institute, Russia: <i>"Diffraction studies of the low-dimensional frustrated magnetism of layered honeycomb antimonates and tellurates"</i>
16:45-17:00	Oral talk: Yurii Ivanov , Erich Schmid Institute of Materials Science, Leoben, Austria: <i>"Extended phase diagram of magnetic states in a helical magnet studied using in situ TEM"</i>
17:00-17:15	Oral talk: Alexander Samardak , Far Eastern Federal University, Vladivostok, Russia: <i>"Interfacial Dzyaloshinskii-Moriya interaction in W/CoFeB/MgO films tuned by variation of W thickness and annealing temperature"</i>
17:15-17:45	<u>Refreshments</u>
17:15-19:30	<u>Poster session</u> (nanoscale magnetism, magnetization dynamics, magnetic skyrmions, vortices and domain walls, spintronics and spin orbit effects, theory and simulations)

	<u>Wednesday, June 21, 2017</u>
9:00-13:45	Session 3. Magnetic skyrmions II Chairs: Geoffrey Beach / Nikolai Kiselev
9:00-9:30	Invited talk: Christopher Marrows , University of Leeds, UK: <i>"Single skyrmion detection using electrical transport in a Pt/Co/Ir multilayer disc"</i>
9:30-10:00	Invited talk: Olivier Boulle , Université / CNRS, Grenoble, France: <i>"Stability of confined skyrmions in ultrathin magnetic films"</i>
10:00-10:30	Invited talk: Peter Fischer , Lawrence Berkeley National Laboratory, CA, USA: <i>"Magnetic X-ray spectromicroscopy of non-trivial spin textures"</i>
10:30-10:45	Oral talk: Peter Milde , Inst. of Applied Physics, Dresden, Germany: <i>"Scanning Force Microscopy Manipulation of individual Skyrmions"</i>
10:45-11:00	Oral talk: Mateusz Zelent , Adam Mickiewicz University in Poznan, Poland: <i>"Bi-stable magnetic skyrmion states in Pt/Co/Au multilayer nanodots"</i>
11:00-11:30	<u>Coffee break</u>
11:30-12:00	Invited talk: Christoforos Moutafis , University of Manchester, UK: <i>"Room temperature chiral skyrmions and skyrmion bubble dynamics in nanostructures"</i>
12:00-12:30	Invited talk: Ales Hrabec , Université Paris-Saclay, Université Paris-Sud, CNRS, Orsay, France: <i>"Current-induced skyrmion dynamics in symmetric bilayers"</i>
12:30-13:00	Invited talk: Jiadong Zang , University of New Hampshire, UK: <i>"Topological Spin Textures in Confined Geometries"</i>
13:00-13:15	Oral talk: Hans Joseph Hug , Swiss Federal Laboratories for Materials Science and Technology / Un, Switzerland: <i>"Skyrmion spin profiles and supporting Dzyaloshinskii-Moriya interaction by quantitative magnetic force microscopy"</i>
13:15-13:30	Oral talk: Ksenia Chichay , Immanuel Kant Baltic Federal University, Russia: <i>"Internal structure and stability of skyrmions in ferromagnet/heavy-metal multilayers"</i>
13:30-13:45	Oral talk: Markus Hoffmann , Peter Grünberg Inst. & Inst. for Advanced Simulation, Germany: <i>"Antiskyrmions stabilized at interfaces by anisotropic Dzyaloshinskii-Moriya interaction"</i>

13:45-15:30	<u>Lunch break</u>
15:30-19:15	Session 4. Magnetization dynamics, spin waves and magnonics Chairs: Dirk Grundler / Vasyl Tyberkevych
15:30-16:00	Invited talk: Theo Rasing , Radboud University, Nijmegen, Netherlands: <i>“All-optical control of magnetism: towards more energy efficient data manipulation”</i>
16:00-16:30	Invited talk: Robert Stamps , University of Glasgow, UK: <i>“Spin wave propagation and generation in chiral spin and skyrmion systems”</i>
16:30-16:45	Oral talk: Valerii Shklovskii , Kharkiv National Karazin University, Ukraine: <i>“Nonlinear relaxation between magnons and phonons at different temperatures in ferroelectrics”</i>
16:45-17:00	Oral talk: Marina Mailian , National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute, Ukraine: <i>“Phase shift of spin waves travelling through RKKY coupled ferromagnets”</i>
17:00-17:30	<u>Refreshment</u>
17:30-18:00	Invited talk: Farkhad Aliev , Autonomous University of Madrid, Spain: <i>“Winter magnons propagating along edge domain walls in magnetic nanostructures”</i>
18:00-18:15	Oral talk: Elena Tartakovskaya , Institute of Magnetism, Ukraine: <i>“Spin waves in micromagnetic rings”</i>
18:15-18:30	Oral talk: Sergey Osokin , Kotel’nikov Institute of Radio-engineering and Electronics, Moscow, Russia: <i>“General theory of spin wave propagation in chains of discrete magnetic elements”</i>
18:30-18:45	Oral talk: Yi Li , University of Paris-Saclay, France: <i>“Nonlinear ferromagnetic resonance in YIG nanodisc”</i>
18:45-19:00	Oral talk: Leonid Lutsev , Ioffe Physical-Technical Institute, San Petersburg, Russia: <i>“Spin waves in nanosized YIG film / semiconductor heterostructures”</i>
19:00-19:15	Oral talk: Victor Lopez-Dominguez , Institute of Applied Magnetism UCM-CSIC, Madrid, Spain: <i>“Tuning metamaterials by using amorphous magnetic microwires”</i>
20:30-23:00	<u>Conference dinner</u>

	<u>Thursday, June 22, 2017</u>
9:00-11:00	Session 5. Magnetic skyrmions III Chair: Olivier Boulle
9:00-9:30	Invited talk: Geoffrey Beach , Massachusetts Institute of Technology, Cambridge, USA: <i>“Room temperature magnetic skyrmions in ultrathin transition metal films”</i>
9:30-10:00	Invited talk: Stefan Bluegel , Peter Grünberg Institut and Institute for Advanced Simulation, Juelich, Germany: <i>“Skyrmions by design for spintronics”</i>
10:00-10:30	Invited talk: Giovanni Finocchio , University of Messina, Italy: <i>“Skyrmion based microwave detectors and oscillators, and stabilization, nucleation and manipulation of radial vortices”</i>
10:30-10:45	Oral talk: Filipp Rybakov , M.N. Miheev Institute of Metal Physics RAS, Ekaterinburg, Russia: <i>“Binary data encoding in chains of chiral skyrmions and bobbers”</i>
10:45-11:00	Oral talk: David Cortes-Ortuño , University of Southampton, UK: <i>“Thermal stability and topological protection of skyrmions in nanotracks”</i>
11:00-11:30	<u>Coffee break</u>
11:30-12:00	Invited talk (special): Hendrik Ohldag , IEEE Distinguished lecturer, SLAC, Stanford Synchrotron Radiation Laboratory, CA, USA: <i>“Ultrafast and very small: discover nanoscale magnetism with picosecond time resolution using X-Rays”</i>
12:00-14:30	Session 6. Magnetic vortices and domain walls Chairs: Jean-Claude Serge Levy / Oleg Tretiakov
12:00-12:30	Invited talk: Guido Meier , Max-Planck Institute for the Structure and Dynamics of Matter, Hamburg, Germany: <i>“Collective modes in magnonic vortex crystals”</i>
12:30-13:00	Invited talk: Marcus Garst , Dresden University of Technology, Germany: <i>“Topological domain walls in helimagnets”</i>
13:00-13:15	Oral talk: Maria Jose Martinez-Perez , University of Zaragoza, Spain: <i>“Individual magnetic vortices investigated by nanoSQUID magnetometry”</i>

13:15-13:30	Oral talk: Xavier de Milly , University of Paris-Saclay, France: <i>“Control of coupling between two spin-torque vortex oscillators with an external source”</i>
13:30-13:45	Oral talk: Tom Moore , University of Leeds, UK: <i>“Tuning domain wall energy with strain in Pt/Co/Ir thin films”</i>
13:45-14:00	Oral talk: Petr Skirdkov , Moscow Institute of Physics and Technology, Russia: <i>“Micromagnetic dynamics of vortex spin-torque diode: the impact of DC bias”</i>
14:00-14:15	Oral talk: Risalat Khan , University of Leeds, UK: <i>“Perpendicular exchange bias and bubble domains in Pt/Co/IrMn”</i>
14:15-14:30	Oral talk: Gleb Kakazei , University of Porto, Portugal: <i>“Stable vortex-antivortex pairs in magnetic nanostructures”</i>
14:30-16:30	<u>Lunch break</u>
16:30-16:50	<u>Meeting at the Catamaran dock, downtown, Paseo Kaiko</u>
17:00-19:00	<u>Ferry trip to the Vizcaya gulf</u>



	<u>Friday, June 23, 2017</u>
9:00-12:30	Session 7. Theory and simulations of magnetic nanostructures Chairs: <u>Filipp Rybakov / Kostyantyn Gusliyenko</u>
9:00-9:30	Invited talk: Oksana Chubykalo-Fesenko , Instituto de Ciencia de Materiales de Madrid (ICMM/CSIC), Spain: <i>"The temperature-dependence of exchange stiffness and Dzyaloshinskii-Moriya interactions"</i>
9:30-10:00	Invited talk: Vasyl Tyberkevych , Oakland University, Rochester, MI, USA: <i>"Spintronic THz-frequency generator based on antiferromagnetic dielectric"</i>
10:00-10:15	Oral talk: Oksana Gorobets , Institute of Magnetism, Ukraine: <i>"A new class of self-similar solutions of the Landau-Lifshitz equation for a spin wave in an antiferromagnet"</i>
10:15-10:30	Oral talk: Jean-Claude Serge Levy , University Paris Diderot, France: <i>"Vortex networks in magnetic nanocubes"</i>
10:30-10:45	Oral talk: Nikolai Kiselev , Peter Grünberg Institut and Institute for Advanced Simulation, Juelich, Germany: <i>"Spectra of resonance frequencies in 3D model of isotropic chiral magnet"</i>
10:45-11:00	Oral talk: Miguel Romera , University of Paris-Sud, France: <i>"Pattern classification with a network of coupled spin torque oscillators"</i>
11:00-11:30	<u>Coffee break</u>
11:30-12:00	Invited talk: Oleg Tretiakov , Tohoku University, Sendai, Japan: <i>"Skyrmion dynamics in antiferromagnetic and ferromagnetic systems"</i>
12:00-12:15	Oral talk: Carles Navau , Autonomous University of Barcelona, Spain: <i>"Analytical trajectories of skyrmions in confined geometries"</i>
12:15-12:30	Oral talk: Cyrill Muratov , New Jersey Institute of Technology, USA: <i>"Theory of chiral domain walls in ultrathin ferromagnetic films with perpendicular magnetic anisotropy"</i>

12:30-14:15	Session 8. Charge and spin transport Chair: Oksana Chubykalo-Fesenko
12:30-13:00	Invited talk: Johan Akerman , University of Gothenburg / KTH Royal Institute of Technology, Sweden: <i>“Magnetic droplet solitons in all-perpendicular spin torque nano-oscillators”</i>
13:00-13:30	Invited talk: Jatinder Yakhmi , Bhabha Atomic Research Centre, India: <i>“Influence of applied magnetic fields on the unconventional and hard superconductivity in doped Nb-oxynitrides”</i>
13:30-13:45	Oral talk: Simón Oyarzún , University of Santiago, Chile: <i>“Spin-to-charge conversion by Rashba coupling in metallic states at the Fe/Ge(111) interface”</i>
13:45-14:00	Oral talk: Anna Plominska , Adam Mickiewicz University, Poznan, Poland: <i>“Spin-resolved dynamical conductance of correlated large-spin magnetic molecules”</i>
14:00-14:15	Oral talk: Gleb Demin , Moscow Institute of Physics and Technology, Russia: <i>“Features of spin-transfer torques in nanowire with a magnetic tunnel junction and its effect on spin-torque diode sensitivity”</i>
14:15-14:45	<u>Conference closing / Last refreshment</u>

POSTER PRESENTATIONS

Poster Session (17:15-19:30, June 20, 2017): all topics

#	Name	Title	Presentation
1	IGOR LYAPILIN	“SPIN SEEBECK EFFECT AND MAGNON-MAGNON DRAG IN HYBRID STRUCTURES”	Poster
2	MICHAL MRUCZKIEWICZ	“LOW FREQUENCY SKYRMION EXCITATIONS IN NANODOTS AND IN SKYRMION LATTICE”	Poster
3	ELENA CONDREA	“MAGNETOTRANSPORT PROPERTIES OF SINGLE BI WIRES”	Poster
4	TATIANA KRINITSINA	“SPIN-DEPENDENT INTERFACE SCATTERING CONTRIBUTION TO THE GMR OF Co/Cu SUPERLATTICES WITH VARYING INTERLAYER STRUCTURE”	Poster
5	VLADIMIR USTINOV	“ELECTRIC MEASUREMENT OF PURE SPIN CURRENTS BASED ON SILSBEE-JOHNSON SPIN-CHARGE COUPLING”	Poster
6	ALEXEY KUDRIN	“HIGH-TEMPERATURE INTRINSIC FERROMAGNETISM IN INFESB SEMICONDUCTOR MATRIX”	Poster
7	YEVHENIIA DARMENKO.	“MECHANISM OF ACCUMULATION OF BIOGENIC AND ARTIFICIAL MAGNETIC NANOPARTICLES IN ENDOCARDITIS”	Poster
8	MARYNA BULAEVSKA	“MAGNETIC FORCE MICROSCOPY OF THE ETHMOID BONES OF MIGRATORY AND NON-MIGRATORY FISHES”	Poster
9	KSENIA HETMANENKO	“THE STABILITY OF THE MAGNETIC PROPERTIES OF DRY MAGNETICALLY CONTROLLED BIOSORBENT ON BASIS OF YEAST <i>SACHAROMYCES CEREVISIAE</i> ”	Poster
10	RIZA ERDEM	“SHORT-RANGE MAGNETIC ORDERING IN CORE-SURFACE SMART NANOPARTICLES”	Poster
11	VICTOR LOS	“KINETICS OF ELECTRONS IN LAYERED NANOSTRUCTURES”	Poster
12	ANNA MIKESHYNA	“THE ROLE OF MAGNETIC NANOPARTICLES IN VESICULAR TRANSPORT IN EUKARYOTES”	Poster

13	CHANGHOON HEO	“GENERATION OF A NANO-SCALE SKYRMION IN THE ABSENCE OF DZYALOSHINSKII- MORIYA INTERACTION”	Poster
14	ANNIKA VENALAINEN	“FERROMAGNETISM IN ASSEMBLIES OF PALLADIUM NANOCLUSTERS”	Poster
15	OLEKSANDR MEDVIEDIEV	“IDENTIFICATION OF BIOGENIC MAGNETIC NANOPARTICLES IN SUS DOMESTICA LUNG TISSUE USING EPR SPECTROSCOPY”	Poster
16	YULIIA GUSIEVA	“EXCITATION OF NONLINEAR SPIN WAVE IN THE SYSTEM OF TWO FERROMAGNETS WITH BROKEN SPATIAL INVERSION SYMMETRY INSIDE THE INTERFACE”	Poster
17	YURY PANOV	“QUASI-CLASSICAL LOCALIZED STATES IN THE 2D FERRIMAGNET”	Poster
18	FELIPE TEJO	“MAGNETIC FIELD DEPENDENCE OF SKYRMION SIZE IN ULTRATHIN NANODOTS”	Poster
19	OKSANA BUSEL	“DYNAMICS OF SPIN WAVES IN FERROMAGNET THIN FILM WITH AN ANTIDOT”	Poster
20	FELIPE GARCIA- -SANCHEZ	“COMPARISON OF TWO DIFFERENT MECHANISMS FOR DETERMINISTIC SWITCHING WITH SPIN ORBIT TORQUES”	Poster
21	KOWSAR SHAHBAZI	“FIELD- AND CURRENT-DRIVEN DOMAIN WALL MOTION IN EPITAXIAL PT/CO/PT _{1-x} AU _x TRILAYERS WITH CONTROLLED DZYALOSHINSKII-MORIYA INTERACTION”	Poster
22	RYAN PEPPER	“SKYRMIONIC STATE STABILITY IN POLYGONAL HELIMAGNETIC NANOSTRUCTURES”	Poster
23	CYNTHIA REICHHARDT	“REVERSIBLE VECTOR RATCHETS FOR SKYRMION ASSEMBLIES”	Poster
24	KSENIYA TIKHOMIROVA	“DOMAIN WALL’S STABILITY AND EXCITATION IN NANOWIRE WITH PERPENDICULAR MAGNETIC ANISOTROPY”	Poster

25	MARINA MAILIAN	“GOOS-HÄNCHEN SHIFT OF A SPIN-WAVE BEAM IN TRANSMISSION THROUGH THE INTERFACE BETWEEN TWO FERROMAGNETS”	Poster
26	ALEXANDER SADOVNIKOV	“LATERAL COUPLING AND NONLINEAR SWITCHING OF SPIN WAVES IN MAGNONIC STRIPES”	Poster
27	SEBASTIAN MICHEA	“EXTRAORDINARY HALL EFFECT IN Pd-Co MULTILAYER THIN FILM WITH PERPENDICULAR MAGNETIC ANISOTROPY INTERLAYERED BY SiO ₂ ”	Poster
28	XIXIANG ZHANG	“THE OBERVATION OF BISKYRMION IN CENTROSYMMETRIC MAGNETS AT ROOM-TEMPERATURE”	Poster
29	MICHALIS CHARILAOU	“DEFECT-INDUCED SKYRMION LATTICE MELTING IN ULTRATHIN CHIRAL MAGNETS”	Poster
30	PIERRE ROY	“SKYRMION HALL ANGLE TUNING IN SYNTHETIC FERRIMAGNETS”	Poster
31	YANNICK BLEU	“GRAPHENE-BASED SYNTHETIC ANTIFERROMAGNETS WITH CLOSE TO ZERO NET MAGNETIZATION”	Poster
32	IVAN TARASOV	“SIZE-CONTROLLABLE GROWTH OF AU ₃ FE(111)/FE(110) CORE-SHELL NANOCRYSTALS BY MBE”	Poster
33	NAVEEN SISODIA	“TEMPERATURE DEPENDENT NEEL TO BLOCH TRANSFORMATION OF ISOLATED SKYRMIONS IN A NANODISK: A MICROMAGNETIC STUDY”	Poster

For notes

Organizers:

eman ta zabal zazu



Universidad
del País Vasco

Euskal Herriko
Unibertsitatea

ikerbasque
Basque Foundation for Science

 **DONOSTIA
SAN SEBASTIÁN**
TOURISM & CONVENTION BUREAU

2017