

Sunday, July 22, 2018

16:00 Registration

18:00
– Welcome Reception
20:00

Monday, July 23, 2018

08:00 Registration

08:45 Opening welcome

Chair: P. Fischer (LBNL/UCSC)

09:00 SYMP-1 C.M. Schneider (FZ Jülich)
PETER GRÜNBERG AND THE ICMFS

09:00 SYMP-2 K. Takanashi (Tohoku U Sendai)
IN MEMORY OF PROF. PETER GRÜNBERG

09:30 Mo-1 M. Bapna, B. Parks, A. Abdelgawad, S. A. Majetich (CMU Pittsburgh)
INVITED SUPERPARAMAGNETIC TUNNEL JUNCTIONS

10:00 Mo-2 J. Wisser, H.M. Jeon, R. Budhani, M. Gray, S. Emori, B. Howe, Y. Suzuki (Stanford U/Wright)
BSPF State U/Morgan State U/Virginia Polytechnic Inst/AFR Lab)
SPIN CURRENT GENERATION IN SPINEL-FERRITE/Cu/Pt HETEROSTRUCTURES

10:15 Mo-3 D. Yue, W. Lin, J. Li, X. Jin, C. L. Chien (JHU/Fudan U)
SPIN TO CHARGE CONVERSION IN BISMUTH

10:30 AM break

Chair: S. Mangin (U Lorraine)

11:00 Mo-4 K. Wang (CAS Beijing)
INVITED CONTROL FERROMAGNETS ALL ELECTRICALLY AT ROOM TEMPERATURE

11:30 Mo-5 S. Miwa (Osaka U)
INVITED THE ORIGIN OF ELECTRIC-FIELD-INDUCED CHANGE OF MAGNETOCRYSTALLINE ANISOTROPY IN METALLIC MULTILAYERED STRUCTURES

12:00 Mo-6 M. Ishibashi, K. T. Yamada, Y. Shiota, F. Ando, T. Koyama, H. Kakizakai, H. Mizuno,
BSPF **K. Miwa, S. Ono (Kyoto U/ U Tokyo/ CRIEPI/ CSRN)**
ELECTRIC FIELD EFFECT ON EXCHANGE INTERACTION IN ULTRA-THIN Co FILMS WITH IONIC LIQUIDS

12:15 Mo-7 **J. Ko, J. Hong** (*Yonsei U*)
ENHANCEMENT OF VOLTAGE-CONTROLLED MAGNETIC ANISOTROPY EFFECT IN MgO/CoFeB-BASED MAGNETIC TUNNEL JUNCTIONS BY WAY OF INTERFACE RECONSTRUCTION

12:30 Lunch break

Chair: C.M. Schneider (FZ Jülich)

13:30 Mo-8 **M. Müller** (*FZ Jülich/ TU Dortmund*)
INVITED MAGNETICALLY TUNABLE ELECTRON CONFINEMENT AT OXIDE INTERFACES

14:00 Mo-9 **J. Lucassen, C. F. Schippers, L. Rutten, D. S. Han, R.A. Duine, H. J. M. Swagten, B. Koopmans, R. Lavrijsen** (*TU Eindhoven/ Utrecht U*)
BSPF OPTIMIZING PROPAGATING SPIN WAVE SPECTROSCOPY AS A TECHNIQUE TO DETERMINE THE DZYALOSINSKII-MORIYA INTERACTION

14:15 Mo-10 **N.-J. Steinke, L. B. Duffy^{1,2}, J. A. Krieger³, A. I. Figueroa⁴, K. Kummer⁵, T. Lancaster⁶, P. J. Baker, V. N. Strocov, Z. Salman, G. van der Laan, T. Hesjedal** (*RAL/U Oxford/ PSI/ DLS/ ESRF/ Durham U*)
MAGNETIC ORDER IN TOPOLOGICAL INSULATOR THIN FILMS: TRANSITION METAL VS RARE EARTH DOPING

14:30 Mo-11 **G. Chen, B. Zimmermann, J.M. Shaw, A.K. Schmid, K. Liu, S. Blügel, H. T. Nembach** (*UC Davis/ FZ Jülich/ NIST/ LBNL*)
ANISOTROPIC DZYALOSHINSKII-MORIYA INTERACTION FOR THE EPITAXIAL Fe/Pt(110) SYSTEM WITH C_{2v} SYMMETRY

14:45 Mo-12 **A. Stelhorn, A. Sarkar, E. Kentzinger, S. Schröder, M. Waschk, G. Abuladze, P. Schöffmann, Z. Fu, V. Pipich, T. Brückel** (*FZ Jülich*)
BSPF INTERFACE EFFECTS IN SUPERCONDUCTOR-FERROMAGNET HETEROSTRUCTURES

15:00 PM break

15:30-18:00 Poster session I

POSTER I

Mo-1 **J. Vanherck, B. Sorée, W. Magnus** (*U Antwerp/ KU Leuven*)

BSPF MAGNETIC REORIENTATION IN ANISOTROPIC HEISENBERG FERROMAGNETS

Mo-2 **S.K. Oh, N.A. Kalanda, S.-C. Yu, D.-H. Kim, S.E. Demyanov, A.V. Petrov** (*Chungbuk U/ NAS Belarus*)

GALVANOMAGNETIC PROPERTIES OF THE Si/SiO₂/Ti/Pt/Sr₂FeMoO_{6-δ}/Al₂O₃/Sr₂FeMoO_{6-δ} HETEROSTRUCTURE

Mo-3 **O. Yildirim, M. A. Marioni, C. V. Falub, D. Jaeger, H. Rohrmann, H. J. Hug** (*EMPA/ Evatec AG*)

TUNING PERPENDICULAR MAGNETIC ANISOTROPY IN Co/Pt MULTILAYERS: CRYSTALLINE TEXTURE VS. INTERFACE QUALITY

Mo-4 **C. Cui, J. Guo, W. Yang, L. Kang, Y. Zhang, Y. Li** (*Hebei U*)

DUAL PHASE Fe₂Tb/Co₂Tb MAGNETIC NANOWIRE ARRAYS PREPARED BY ELECTROCHEMICAL DEPOSITION

- Mo-5 **M. Waschk, J. Voigt, P. Zakalek, J. Barthel, T. Brückel** (*FZ Jülich*)
INFLUENCE OF GROWTH KINETICS ON INTERFACE STRUCTURE AND MAGNETISM IN $\text{La}_{1/3}\text{Sr}_{2/3}\text{FeO}_3$ / $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ HETEROSTRUCTURES
- Mo-6 **M.S. Anwar** (*IIT Delhi*)
TUNABLE EXCHANGE BIAS EFFECT IN HARD/SOFT FERROMAGNETIC BILAYER
- Mo-7 **O. Inyang, L. Bouchenoire, M. Tokac, R. Rowan-Robinson, B. Nicholson, D. Atkinson, C. Kinane, A. Hindmarch** (*Durham U/ ESRF/ RAL*)
TEMPERATURE DEPENDENCE MAGNETIC PROXIMITY EFFECT IN $\text{Pt}/\text{CoFeTaB}/\text{Pt}$ TRILAYER
- Mo-8 **Y. Zhao, L. Xie, H. Sun, X.-P. Ma, H.-G. Piao, L. Pan** (*China Three Gorges U/ Southern U Sci&Tech/ TU Denmark*)
MAGNETIC PROPERTIES OF PERMALLOY NANOWIRE ARRAYS PREPARED BY ELECTROCHEMICAL DEPOSITION
- Mo-9 **G. Gubbiotti, X. Zhou, Z. Haghshenasfard, M. G. Cottam, A.O. Adeyeye, M. Kostylev** (*CNR-IOM/, NUS/, UWU/ UWA*)
RECONFIGURABLE MAGNONIC BAND STRUCTURE IN $\text{Py}/\text{Cu}/\text{Py}$ NANOWIRES
- Mo-10 **X.-P. Ma, H-G. Piao, C.-Y. You, D.-H. Kim** (*China Three Gorges U/ Chungbuk U*)
ASYMMETRIC WALKER BREAKDOWN IN TRAPEZOID-CROSS-SECTION FERROMAGNETIC NANOSTRIPS
- Mo-11 **H. Brueckl, A. Shoshi, M.J. Haslinger, T. Mitteramskogler, M. Muehlberger, J. Schotter, S. Schrittwieser** (*Danube U/ PROFACTOR GmbH/ AIT*)
MAGNETIC DESIGN OF MULTI-COMPONENT NANOPROBES FOR BIOMOLECULAR DIAGNOSTICS
- Mo-12 **N. J. Whitehead, S. A. R. Horsley, T.G. Philbin, A.N. Kuchko, V. V. Kruglyak** (*U Exeter/ Inst. Magnetism Kiev*)
THEORY OF LINEAR SPIN WAVE EMISSION FROM A BLOCH DOMAIN WALL
- Mo-13 **W. Li, S. Yu, Y. Wang, Y. Li, Y. Hu, M. Zhu** (*Shanghai U*)
CRYSTAL FACET ENGINEERING MODIFICATION OF THE NANOMAGNETISM OF TRANSITION METAL OXIDES
- Mo-14 **Drózd P., Ślęzak M., Matlak K., Matlak B., Freindl K., Wilgocka-Ślęzak D., Spiridis N., Korecki J., Ślęzak T.** (*AGH Cracow/ Jerzy Haber Inst PAS*)
SWITCHING OF CO MAGNETIZATION DRIVEN BY ANTIFERROMAGNETIC/FERROMAGNETIC PHASE TRANSITION OF FERH ALLOY IN Co/FERH BILAYERS
- Mo-15 **M. Ślęzak, T. Ślęzak, P. Drózd, K. Matlak, J. Korecki** (*AGH Cracow/ Jerzy Haber Inst PAS*)
ADSORPTION INDUCED IN PLANE MAGNETIC ANISOTROPY IN EPITAXIAL BCC Co/Fe FILMS
- Mo-16 **R.R. Das, Santhosh P.N.** (*IIT Mumbai*)
BSPF
LARGE EXCHANGE BIAS IN RUDDLESDEN-POPPER LAYERED SYSTEM AND THE IMPORTANCE OF COMPETING MAGNETIC INTERACTIONS
- Mo-17 **V. Puliafito, M. Carpentieri, B. Azzaroni, V. Tiberkevich, A. Slavin, G. Finocchio** (*U Messina/ Politecnico Bari/ Oakland U*)
MICROMAGNETIC ANALYSIS OF THE EXCITED DYNAMICS IN AN ANTIFERROMAGNETIC SPIN-HALL OSCILLATOR
- Mo-18 **H. Xia, C. Won, M. Yan, S. Huang, C. Zhou, H. Zhao, Y. Wu** (*Fudan U/ Kyung Hee U/ Shanghai U*)
SPIN DOPPLER EFFECT INDUCED BY INTERFACIAL DZYALOSHINSKII-MORIYA INTERACTION
- Mo-19 **A. Yamaguchi, T. Ogasawara, Y. Utsumi, K. Yamada, A. Nakao** (*U Hyogo/ AIST/ Gifu U/ RIKEN*)
THE STUDY ON THE GENERATION OF MAGNETIC ANISOTROPY INDUCED BY THE HETEROJUNCTION BETWEEN FERROMAGNETIC AND FERROELECTRIC MATERIALS
- Mo-20 **M. Jurchyszyn, K. Maćkosz, J. Stępień, M. Waśniowska, A. Quer, M. Kallaene, K. Rossnagel, I. Miotkowski, V. Monteseguro-Padron, A. Kozłowski, Z. Kąkol, M. Sikora, M. Przybylski** (*AGH Cracow/ U Kiel/ Purdue U/ ESRF*)
DOPANTS AND DEFECTS IN Bi_2Se_3 OBSERVED BY SURFACE AND LOCAL PROBES
- Mo-21 **K. Załęski, E. Coy, M. Kempniński, H.-P. Schönherr, J.M.J. Lopes, J. Herfort, F. Stobiecki** (*Adam Mickiewicz U/ PDI Berlin/ PAS Poznan*)
STRUCTURAL AND MAGNETIC PROPERTIES OF Co_2FeSi HEUSLER ALLOY THIN FILMS GROWN ON GRAPHENE AND HOPG
- Mo-22 **O. Kuschel, J. Rodewald, J. Thien, R. Buß, T. Kuschel, K. Kuepper, J. Wollschläger** (*U Osnabrueck/ Bielefeld U*)

- REACTIVE SOLID PHASE EPITAXY OF ULTRATHIN FERRITE FILMS: STRUCTURE; ELECTRONIC AND MAGNETIC PROPERTIES
- Mo-23 **T. Nagahama, Y. Goto, M. Araki, T. Yanase, S. Toshihiro, M. Tsujikawa, M. Shirai** (*Hokkaido U/ Tohoku U*)
- FABRICATION OF METASTABLE B2 Fe_{1-x}Sn_x FILMS BY EPITAXIAL GROWTH ON MgO(001)
- Mo-24 **F. L. Zeng, Z. Y. Ren, Y. Li, J. Y. Zeng, M. W. Jia, W. Zhang, A. Hoffmann, Z. Yuan, Y. Z. Wu** (*Fudan U/ Beijing Normal U/ Oakland U/ ANL*)
- GIANT CURRENT-ORIENTATION EFFECT OF MAGNETORESISTANCE IN SINGLE CRYSTAL FECO(001) ALLOY FILMS
- Mo-25 **W.-S. Ham, S. Kim, Y. Shiota, T. Moriyama, T. Ono** (*Kyoto U/ U Ulsan/ Osaka U*)
- SPIN-ORBIT TORQUE IN [Co/W/Pt] SUPERLATTICES
- Mo-26 **C. Swindells, A. Hindmarch, A. Gallant, D. Atkinson** (*Durham U*)
- INFLUENCE OF AMORPHOUS AND CRYSTALLINE INTERFACIAL STRUCTURE WITH VARYING HEAVY METAL THICKNESS ON SPIN MIXING CONDUCTANCE
- Mo-27 **J. L. Palma, A. Pereira, R. Álvaro, J. M. García-Martín, J. Escrig** (*UC Chile/ CEDENNA/ IMN/CNM/ USACH*)
- MAGNETIC PROPERTIES OF FE₃O₄ ANTIDOTS ARRAYS SYNTHESIZED BY ATOMIC LAYER DEPOSITION AND FOCUSED ION BEAM LITHOGRAPHY
- Mo-28 **T. Joshi, D. Belanger, D. Lederman** (*UC Santa Cruz*)
- STUDY OF MAGNETIC PHASE TRANSITION IN LaCoO₃ AND La_{0.7}Sr_{0.3}CoO₃ THIN FILMS GROWN BY PULSED LASER DEPOSITION
- Mo-29 **Fripp, K.G., Poimanov V.D., Mushenok, F.B., Ogrin, F.Y., Kruglyak, V.V.** (*U Exeter/ Donetsk Natl U*)
- FANO-RESONANCE BASED NANOSCALE SPIN-WAVE TRANSDUCER, VALVE AND PHASE SHIFTER IN DAMON-ESHBACH GEOMETRY
- Mo-30 **T. Nishimura, D.-H. Kim, Y. Hirata, T. Okuno, Y. Futakawa, H. Yoshikawa, A. Tsukamoto, Y. Shiota, T. Moriyama, T. Ono** (*Kyoto U/ Nihon U/ Osaka U*)
- CORRELATION BETWEEN MAGNETIC PROPERTIES AND DEPINNING FIELD IN FIELD-DRIVEN DOMAIN WALL DYNAMICS IN GdFeCo FERRIMAGNETS
- Mo-31 **K.-W. Lin, C.-L. Huang, Y.-L. Huang, J.-L. Tsai, T.-H. Wu, E. Skoropata, J. van Lierop** (*NCHU Taichung/ NYUST Douliu/ U Manitoba*)
- MICROSTRUCTURAL AND MAGNETIC CHARACTERIZATION OF MNBI THIN FILMS
- Mo-32 **N. Lei, D. Wei, Y. Tian, G. Dong, X. Jin** (*Beihang U/ Fudan U*)
- INTERFACIAL MANIPULATION OF MAGNETIC ANISOTROPY IN Ni/Cu₃Au₁(001)
- Mo-33 **S. R. Yang, C. C. Chen, Y. T. Fanchiang, C. C. Tseng, K. H. M. Chen, C. N. Wu, C. K. Cheng, M. Hong, J. Kwo** (*NTSU hsinchu/ NTU Taipei*)
- MAGNETIC PROXIMITY EFFECT INDUCED NEGATIVE MAGNETORESISTANCE IN Bi₂Se₃/THULIUM IRON GARNET HETEROSTRUCTURES
- Mo-34 **P. J. Ryan, Y. Choi, G. E. Sterbinsky, J. C. Woicik, J.-H. Lee, D. Schlom, S. Brown, P. Thompson, P. Normile, J. Lang, J.-W. Kim** (*ANL/ NIST/ Cornell U/ U Liverpool/ IRICA/ Dublin City U*)
- ORBITAL SHAPING INDUCED UNIAXIAL MAGNETIC ANISOTROPY IN THE RARE-EARTH EuTiO₃
- Mo-35 **B. Sharif, S. A. Morley, T. Joshi, D. Lederman** (*UC Santa Cruz*)
- GROWTH AND MAGNETIC BEHAVIOR OF Cu₂OSeO₃ THIN FILMS
- Mo-36 **B. Fang, M. Carpentieri, P. K. Amiri, G. Finocchio, Z. Zeng** (*Suzhou Inst/ Polytecnic Bari/ NWU/ U Messina*)
- BROADBAND SPINTRONICS DIODES FOR ENERGY HARVESTING
- Mo-37 **S. Bhatti, C. Ma, X.X. Liu, S.N. Piramanayagam** (*NTU Singapore/ Shinshu U*)
- BSPF STRESS INDUCED DOMAIN WALL MOTION FOR ENERGY HARVESTING
- Mo-38 **R. Tomasello, A. Giordano, V. Puliafito, S. Chiappini, M. Carpentieri, G. Finocchio** (*U Messina/ Ist Natl Roma/ Politecnico Bari*)
- CONTROL OF THE SKYRMION HALL ANGLE BY COMBINING SPIN-HALL EFFECT, BREATHING MODE AND IN-PLANE FIELD

Tuesday, July 23, 2018

08:00 Registration

9:00-12:00 Social networking event

12:30 Lunch break

Chair: L. Heyderman (PSI/ETHZ)

13:30 *Tu-1*
INVITED **R. Stamps, R. Macedo, I. Proskurin** (*U Manitoba/ Glasgow U*)
NATURALLY HYPERBOLIC AND CHIRALITY TOO: THE OPTICS OF ANTIFERROMAGNETS

14:00 *Tu-2*
INVITED **J. Železný** (*CAS*)
SPIN CURRENTS IN NON-COLLINEAR ANTIFERROMAGNETS

14:30 *Tu-3*
M. Jourdan, S. Yu. Bodnar, L. Smejkal, I. Turek, T. Jungwirth, O. Gomonay, J. Sinova, A.A. Sapozhnik, H.-J. Elmers, M. Kläui (*U Mainz/ CAS/ Cahrles U/ U Nottingham*)
WRITING AND READING ANTIFERROMAGNETIC MN2AU: NÉEL SPIN-ORBIT TORQUES AND LARGE AMR

14:45 *Tu-4*
C. Song, X. Zhou, P. Zhang, X. Chen, G. Shi, F. Pan (*Tsinghua U*)
CURRENT-DRIVEN SWITCHING OF ANTIFERROMAGNETS

15:00 PM break

Chair: O. Chubykalo-Fesenko (CSIC Madrid)

15:30 *Tu-5*
INVITED **D. Makarov** (*HZDR*)
SPINTRONICS OF THIN FILM GRANULAR ANTIFERROMAGNETS

16:00 *Tu-6*
F.F. Chang, Z.Z. Luan, P. Wang, L.F. Zhou, J.F.K. Cooper, C.J. Kinane, S. Langridge, D. Wu, T. Zhu (*CAS/ Nanjing U/ RAL*)
SPIN FLOP INTERLAYER COUPLING IN YIG/NiO/Pt TRILAYERS OBSERVED BY POLARIZED NEUTRON REFLECTOMETRY

16:15 *Tu-7*
Y. C. Liu, Y. T. Fanchiang, C. C. Tseng, C. C. Chen, J. G. Lin, S. F. Lee, M. Hong, J. Kwo (*NTHU/ NTU/ Academica Sinica*)
SPIN TRANSPORT AND SPIN-TO-CHARGE CURRENT CONVERSION IN Bi₂Se₃/Au-BASED HETEROSTRUCTURE

16:30 *Tu-8*
BSPF **T. Li, S. Kim, S.-J. Lee, S.-W. Lee, T. Koyama, D. Chiba, T. Moriyama, K.-J. Lee, K.-J. Kim, T. Ono** (*Kyoto U/ Korea U/ U Tokyo/ KAIST/ Osaka U*)
ORIGIN OF THRESHOLD CURRENT DENSITY FOR ASYMMETRIC MAGNETORESISTANCE IN Pt/Py BILAYERS

16:45 *Tu-9*
K. Zeissler, K. Shahbazi, J. Massey, S. Finizio, J. Raabe, M. Rosamond, E. H. Linfield, T. A. Moore, G Burnell, C. H. Marrows (*U Leeds/ PSI*)
SIZE-DEPENDENT AND -INDEPENDENT HALL RESISTIVITY CONTRIBUTIONS FROM NÉEL SKYRMIONS IN MULTILAYER NANODISCS

17:00 *Tu-10*
T. Seki, W. Zhou, T. Kubota, K. Takanashi (*Tohoku U*)
SPIN-HALL MAGNETORESISTANCE IN Pt / Co-Gd / Cr LAYERS

17:15 Tu-11 R. A. Procter, F. Magnus, R. Moubah, V. Kapaklis, G. Andersson, C. Sánchez-Hanke, B. Hjärvarsson, T. P. A. Hase (Warwick U/ Uppsala U/ BNL/ DLS)
MAGNETIC LEVERAGE EFFECTS IN AMORPHOUS HETEROSTRUCTURES

Wednesday, July 24, 2018

08:00		Registration and Poster Session
		<i>Chair: S. Yuasa (AIST)</i>
09:00	We-1	S. Mangin (U Lorraine) INVITED SINGLE FEMTO-SECOND LIGHT PULSES TO SWITCH MAGNETISATION
09:30	We-2	Y.K. Takahashi, R. Mandal, J.W. Jung, Z.C. Wen, K. Masuda, H. Sukegawa, Y. Sakuraba, Y. Miura, S. Kasai, T. Ohkubo, S. Mitani and K. Hono (NIMS Tsukuba) GILBERT DAMPING ON THE ULTRA-THIN PMA FILMS
09:45	We-3	N. Awari, S. Kovalev, A. Semisalova, B. Green, K. Neeraj, D. Polley, M. Hudl, P. Arekapudi, S.-H. Yang, M. Samant, S.S.P. Parkin, O. Hellwig, M. Gensch, S. Bonetti (HZDR/ Stockholm U/ IBM Almaden/ MPI Halle) SPIN DYNAMICS DRIVEN BY NARROW-BAND TERAHERTZ RADIATION IN THIN FILM FERROMAGNETS
10:00	We-4	M.L.M. Lalieu, M.J.G. Peeters, R. Lavrijsen, B. Koopmans (TU Eindhoven) SINGLE-PULSE ALL-OPTICAL SWITCHING OF SYNTHETIC FERRIMAGNETS FOR SPINTRONIC INTEGRATION
10:15	We-5	F.C. Ummelen, T. Lichtenberg, R. Lavrijsen, H.J.M. Swagten (TU Eindhoven) UNEXPECTED DIRECTION FOR SKYRMION MOTION
10:30		AM break
		<i>Chair: K. Takanashi (U Tohoku)</i>
11:00	We-6	A.O. Adeyeye, L.L. Xiong (NUS) INVITED DYNAMIC BEHAVIORS OF MODULATED AND HOMOGENOUS FERROMAGNETIC NANOWIRES
11:30	We-6	A.V. Chumak (TU Kaiserslautern) INVITED INTEGRATED MAGNONIC HALF-ADDER
12:00	We-8	G. Gubbiotti, L.L. Xiong, F. Montoncello, L. Giovannini, A.O. Adeyeye (U Perugia/ NUS/ U Ferrara) COLLECTIVE SPIN WAVES IN ARRAYS OF PERMALLOY NANOWIRES WITH SINGLE- AND DOUBLE-SIDE PERIODICAL WIDTH-MODULATION
12:15	We-9	G. Dieterle, J. Förster, H. Stoll, A. S. Semisalova, S. Finizio, A. Gangwar, M. Weigand, M. Noske, M. Fähnle, I. Bykova, D. A. Bozhko, H. Y. Musiienko-Shmarova, V. Tiberkevich, A. Slavin, C. Back, J. Raabe, G. Schütz, S. Wintz (MPI Stuttgart/ HZDR/ PSI/ U Regensburg/ TU Kaiserslautern/ Oakland U) COHERENT EXCITATION OF HETEROSYMMETRIC SPIN WAVES
12:30		Lunch break
		<i>Chair: A. Adeyeye (NUS)</i>
13:30	We-10	A. Fernández-Pacheco, D. Sanz-Hernández, L. Skoric, A. Welbourne, J-W. Liao, J. Pablo-Navarro, C. Magén, J. M. De Teresa, R. Hamans, R. Lavrijsen, J. Fowlkes, P. Rack, R. Streubel, M.-Y. Im, P. Fischer (U Cambridge/ U Zaragoza/ TU Eindhoven/ ORNL/ LBNL) INVITED RECENT DEVELOPMENTS IN 3D-PRINTED MAGNETIC NANOSTRUCTURES

- 14:00** We-11 **C. Donnelly, M. Guizar-Sicairos, V. Scagnoli, S. Gliga, M. Holler, J. Raabe, L. J. Heyderman**
INVITED (ETHZ/ PSI/ U Glasgow)
MAPPING THREE DIMENSIONAL INTERNAL MAGNETISATION STRUCTURES WITH X-RAY
MAGNETIC NANOTOMOGRAPHY
- 14:30** We-12 **J. A. Fernandez-Roldan, R. Perez del Real, C. Bran, M. Vazquez, O. Chubykalo-Fesenko** (CSIC
Madrid)
MAGNETIZATION PINNING IN MODULATED NANOWIRES: FROM TOPOLOGICAL PROTECTION
TO THE "CORKSCREW" MECHANISM
- 14:45** We-13 **T. Charlton, E. Guo, A. Herklotz, H. N. Lee, M. R. Fitzsimmons** (ORNL/ U Tennessee)
MAGNETIZATION DEPTH PROFILE IN A MAGNETIC INSULATING FILM UNDER A THERMAL
GRADIENT

15:00 **PM break**

**15:30-
18:00** **Poster session II**

POSTERS II

- We-1 **S.-C. Yu, N.A. Kalanda, S.K. Oh, D.-H. Kim, S.E.Demyanov, A.V.Petrov** (Chungbuk Natl U/ NAS Belarus)
MAGNETIC PROPERTIES OF Sr₂FeMoO_{6- δ} NANOSIZED FILMS OF ThSi/SiO₂/Ti/Pt/ Sr₂FeMoO_{6- δ}
HETEROSTRUCTURE
- We-2 **A. Pratt, L. Lari, M. Walker, K. Dexter, S. Baker, C. Binns, R. Kröger** (U York/ U Leicester)
CONTROLLING OXIDATIVE STABILITY OF MAGNETIC NANOPARTICLES THROUGH STRAIN ENGINEERING
- We-3 **G. Gubbiotti, W.G. Yang, P. Graczyk, M. Krawczyk, S. Dhuey, H. Schmidt** (U Perugia/ UC Santa Cruz/
AMU Poznan/ LBNL)
MAGNONIC BAND STRUCTURE IN A THIN PERMALLOY FILM INDUCED BY DYNAMICAL COUPLING WITH A
TWO DIMENSIONAL ARRAY OF PERMALLOY ELLIPSES
- We-4 **D. Go, C. Kim, H.-W. Lee** (Pohang U Sci&Tech/ SNU)
SPIN AND ORBITAL HALL EFFECTS FROM THE DYNAMICAL GENERATION OF THE ORBITAL ANGULAR
MOMENTUM
- We-5 **J. Bailey, J. Förster, S. Finizio, M. Weigand, J. Gräfe, C. Dubs, J. Raabe, G. Aeppli, G. Schütz, S. Wintz**
(EPFL/ PSI/ MPI Stuttgart/ INNOVENT eV/ ETHZ)
X-RAY LINEAR DICHROISM FOR PROBING MAGNETIC DYNAMICS IN THE LOW-DAMPING FERRIMAGNETIC
INSULATOR YTTRIUM IRON GARNET
- We-6 **H. Brueckl, K. Pruegl, T. Wurft, S. Luber, W. Raberg, J. Zimmer, A. Satz, D. Suess** (Danube U/ Infineon
Technologies Austria/ U Vienna)
THE ROLE OF THERMAL ACTIVATION FOR MAGNETIC VORTEX STATES
- We-7 **P. Schöffmann, S. Pütter, J. Schubert, W. Zander, M. Waschk, E. Vezhlev, P. Zakalek, T. Brückel** (FZ
Jülich)
EFFECTS OF GROWTH CONDITIONS AND POST-ANNEALING ON THE STRUCTURE AND MAGNETIC
PROPERTIES OF SrCoO_{3- δ} FILMS
- We-8 **N. J. Whitehead, F. B. Mushenok, S. A. R. Horsley, T.G. Philbin, V. V. Kruglyak** (U Exeter)
A LUNEBURG LENS FOR SPIN WAVES
- We-9 **M. Jaris, W.G. Yang, C. Berk, L. Hibbard-Lubow, H. Schmidt** (UC Santa Cruz)
SIZE DEPENDENT MAGNETIZATION DYNAMICS OF ISOLATED NANOMAGNETS EXCITED BY A 1-D
PHONONIC GRATING
- We-10 **P. Vishwakarma, M. Gupta, D.M. Phase, A. Gupta** (Amity U/ UGC-DAE Indore)
IN-SITU SOFT X-RAY ABSORPTION SPECTROSCOPIC STUDY OF Fe/MgO INTERFACES

- We-11 **F. Ando, M. Ishibashi, T. Koyama, Y. Shiota, T. Moriyama, D. Chiba, T. Ono** (*Kyoto U/ U Tokyo/ Osaka U*)
BSPF
MAGNETIC DOMAIN WRITING DEFINED BY ELECTRICAL GATING IN Pt/Co FILM
- We-12 **T. Ikebuchi, T. Moriyama†, H. Mizuno, K. Oda, T. Ono** (*Kyoto U*)
GILBERT DAMPING CONSTANT IN EXCHANGE BIASED FERROMAGNETIC/ANTIFERROMAGNETIC BILAYERS
- We-13 **B. F. Miao, Z. H. Duan, L. Sun, D. Wu, J. Du, H. F. Ding** (*Nanjing U*)
QUANTIFYING THE LONGITUDINAL SPIN SEEBECK EFFECT COEFFICIENT OF IRON
- We-14 **Y. Hirata, D.-H. Kim, T. Okuno, T. Nishimura, D.-Y. Kim, Y. Futakawa, H. Yoshikawa, A. Tsukamoto, K.-J. Kim, S.-B. Choe, T. Ono** (*Kyoyo U/ SNU/ Nihon U/ KAIST/ Osaka U*)
CORRELATION BETWEEN COMPENSATION TEMPERATURES OF MAGNETIZATION AND ANGULAR MOMENTUM IN GDFECO FERRIMAGNETS
- We-15 **M. Ciria, A. Begué, M G. Proietti, J. I. Arnaudas** (*CSIC/ U Zaragoza*)
DOMAIN STRUCTURES AND MAGNETIC ANISOTROPIES IN GALFENOL EPITAXIAL FILMS
- We-16 **G. P. Müller, N. S. Kiselev, H. Jónsson, S. Blügel** (*FZ Jülich/ U Iceland*)
SPIN DYNAMICS SIMULATIONS NOW EASIER THAN EVER BEFORE
- We-17 **M. Ślęzak, T. Ślęzak, P. Drózdź, K. Matlak, B. Matlak, J. Korecki** (*AGH Cracow/ JHI PAS Cracow*)
EXCHANGE BIAS IN CoO/Fe(110) BILAYERS: A FERROMAGNET DRIVES AN ANTIFERROMAGNET
- We-18 **H. Tsukahara, H. Imamura** (*KEK/ AIST*)
INVESTIGATION OF CONDUCTANCE PASS THROUGH MAGNETIC TUNNEL JUNCTION WITH ROCK-SALT TYPE ZnO BARRIER LAYER
- We-19 **S. Huang, C. Zhou, G. Chen, H. Shen, H. Xia, A.K. Schmid, K. Liu, Y. Wu** (*Fudan U/ UC Davis/ LBNL*)
ANTISKYRMION IN THE PRESENCE OF ANISOTROPIC DZYALOSHINSKII-MORIYA INTERACTION
- We-20 **D. Greving, T.P.A. Hase, E. Östman, U.B. Arnalds, V. Kapaklis, M.A. Verschuuren, L. Bouchenoire, P. Thompson, D. Haskel, Y. Choi, B. Hjörvarsson** (*U Warwick/ Uppsala U/ Philips Res Labs/ U Liverpool/ ESRF/ ANL*)
X-RAY SCATTERING FROM MAGNETIC ARRAYS OF NANO-ELEMENTS
- We-21 **P. Kuświk, M. Kowacz, F. Lisiecki, M. Matczak, K. Szuba-Jabłoński, N. Michalak, B. Anastaziak, B. Szymański, A. Ehresmann, F. Stobiecki** (*PAS/ Poznan U Tech/ Swansea U/ CINSaT Kassel*)
THE INTERFACIAL DZYALOSHINSKII-MORIYA INTERACTION IN THE EXCHANGE-BIASED Au/Co/NiO LAYERED SYSTEM
- We-22 **L. Riddiford, S. Emori, J. Wisser, Y. Suzuki** (*Stanford U/ Virginia Tech*)
Mg(Al, Fe)2O4: A NEW MAGNETIC INSULATOR FOR SPIN PUMPING
- We-23 **S. Michea, S. Oyarzún, J. C. Denardin** (*UA Chile/ U Santiago de Chile*)
EXTRAORDINARY HALL EFFECT IN Pd/[Co-SiO2] MULTILAYER THIN FILMS WITH PERPENDICULAR MAGNETIC ANISOTROPY
- We-24 **B. Bhoi, B. Kim, J. Kim, Y.-J. Choi, S.-K. Kim** (*SNU Seoul*)
HYBRIDIZING FERROMAGNETIC MAGNONS TO MICROWAVE PHOTONS IN PLANAR HYBRID INVERTED SPLIT-RING RESONATOR/YIG FILM SYSTEM
- We-25 **U. Parlak, R. Adam, D. E. Bürgler, S. Nemšák, S. Gang, C. M. Schneider** (*FZ Jülich*)
OPTICALLY INDUCED MAGNETIZATION REVERSAL DYNAMICS IN (Co/Pt)N MULTILAYERS
- We-26 **J. Rodewald, K. Sprenger, O. Kuschel, T. Schemme, T. Kuschel, F. Bertram, K. Kuepper, J. Wollschläger** (*U Osnabrueck/ Bielefeld U/ DESY*)
STRAIN AND INTERFACE INDUCED MAGNETO-CRYSTALLINE ANISOTROPY OF ULTRATHIN EPITAXIAL MAGNETITE FILMS
- We-27 **Y. Kwak, J. Kim, J. Kim, J. Song** (*Chungnam National U/ KRISS*)
MAGNETO-TRANSPORT OF FERROMAGNETIC 2-DEGS IN LaAlO3/SrTiO3 HETERO-INTERFACE
- We-28 **S. A. Morley, H. Marquez, A. KC, D. Lederman** (*UC Santa Cruz*)
STRAIN IN ANTIFERROMAGNETIC NaNiF3 THIN FILMS
- We-29 **H. Ohldag** (*SLAC*)
ULTRAFAST AND VERY SMALL: DISCOVER NANOSCALE MAGNETISM WITH PICOSECOND RESOLUTION USING X-RAYS
- We-30 **H.-S. Han, S. Lee, N. Kim, M.-Y. Im, Y.-Y. Sang, J.-I. Hong, K.-S. Lee** (*UNIST/ LBNL/ DGIST*)
BSPF
SYMMETRY BREAKING OF 3D FLUX-CLOSURE DOMAIN STRUCTURE
- We-31 **L. C. Figueiredo, F. Pelegrini, A. Biondo, V. P. Nascimento, E. Baggio-Saitovitch** (*U Brasilia/ UF Goias/ UF*)

- Espirito Santo/ CBPF Rio de Janeiro*
 GILBERT DAMPING PARAMETER OF NiFe/WTi MULTILAYERS
 We-32 **A.R. Pereira, L. C. Figueiredo, F. Pelegrini, M. A. Sousa, I. C. Merino, E. Baggio Saitovitch** (*UF Goias/ U Brasilia/ CBPF Rio de Janeiro*)
 FERROMAGNETIC RESONANCE STUDY OF NiFe/Gd/NiFe TRILAYERS
 We-33 **F. Pelegrini, L. C. Figueiredo, D. Schafer, J. P. Geshev** (*UF Goias/ U Brasilia/ UF Rio Grande do Sul*)
 LOW FIELD MICROWAVE ABSORPTIONS IN EXCHANGE-BIASED NiFe/IrMn BILAYERS
 We-34 **J. Brock, P. Vallobra, R. Medapalli, S. Mangin, E.E. Fullerton** (*UC San Diego/ U Lorraine*)
 DIRECTIONAL GROWTH IN PT/CO/NI MULTILAYERS
 We-35 **N. Burdet, A. Wojdyla, S. Roy, K. Goldberg, A. Scholl** (*LBNL*)
 SOFT X-RAY INTERFEROMETRY OF MAGNETIC NANO-MATERIALS AT ALS
 We-36 **T.-H. Chuang, C.-H. Huang, C.-I Lu, D.-H. Wie** (*NSRRC/ Natl Sun-Yat-sen U*)
 EVOLUTION OF CHIRAL SPIN STRUCTURES BY OXYGEN ADSORPTION AT ULTRATHIN MAGNETIC INTERFACES
 We-37 **Y. Cai, H. Wang, D. Tian, X. Jin** (*Fudan U*)
 THE SPIN DIFFUSION LENGTH IN 2D GOLD THIN FILM INVESTIGATED BY WEAK ANTILOCALIZATION MEASUREMENTS
 We-38 **N. Kim, H.-S. Han, D.-H. Jung, K.-S. Lee** (*UNIST*)
BSPF BREATHING MODES OF A MAGNETIC SKYRMION ON A DEFECTIVE SURFACE
 We-39 **C. Kim, D. Kim, B.S. Chun, K.-W. Moon, C. Hwang** (*KRISS*)
 EVALUATION METHOD FOR FIELD-LIKE TORQUE EFFICIENCY BY MODULATION OF THE RESONANCE FIELD

Thursday, July 26, 2018

08:00		Registration
		<i>Chair: R. Stamps (U Manitoba)</i>
09:00	<i>Th-1</i>	V. Cros, W. Legrand, D. Maccarriello, J. Y. Chauleau, K. Garcia, S. Collin, K. Bouzehouane, H. Popescu, C. Moutafis, N. Jaouen, N. Reyren, A. Fert (<i>CNRS Thales/ SOLEIL/ U Manchester</i>) ROOM TEMPERATURE NUCLEATION, ELECTRICAL DETECTION AND SPIN TORQUE INDUCED MOTION OF MAGNETIC SKYRMIONS IN MAGNETIC MULTILAYERS
09:30	<i>Th-2</i>	M. Hervé, M. Peter, T. Balashov, W. Wulfhekel (<i>KIT</i>) <i>INVITED</i> FERROMAGNETIC RESONANCE IN SKYRMIONIC SPIN STRUCTURE USING SPIN POLARIZED SCANNING TUNNELING MICROSCOPY
10:00	<i>Th-3</i>	M. Cinal, M. Dąbrowski, G. Chen, A. K. Schmid, M. Przybylski (<i>PAS Warszawa/ MPI Halle/ U Exeter/ LBNL/ AGH Krakow</i>) A COMPLEX THEORETICAL DESCRIPTION OF MAGNETIC ANISOTROPY OF Fe FILMS AND ITS VARIATION WITH COVERING AND DUE TO QWS CONTRIBUTING AT LOW TEMPERATURES
10:15	<i>Th-4</i>	Q. L. Li, C. Zheng, R. Wang, K. X. Xie, X. X. Li, B. F. Miao, R. X. Cao, L. Sun, D. Wu, Y. Z. Wu, S. C. Li, B. G. Wang, H. F. Ding (<i>Nanjing U/ Fudan U</i>) <i>BSPF</i> ROLE OF THE SURFACE STATE IN THE KONDO EFFECT OF COBALT SINGLE ADATOMS ON SILVER (111)
10:30		AM break and Poster Session
		<i>Chair: A. Chumak (TU Kaiserslautern)</i>
11:00	<i>Th-5</i>	P. Sutcliffe (<i>Durham U</i>) <i>INVITED</i> MAGNETIC HOPFIONS

11:30	<i>Th-6</i>	J. Zang (<i>U New Hampshire</i>) INVITED TOPOLOGICAL SPIN TEXTURES IN CHIRAL MAGNETS: FROM 2D TO 3D
12:00	<i>Th-7</i> <i>BSPF</i>	N. Kent, R. Streubel, C.-H. Lambert, S. Dhuey, M.-Y. Im, P. Fischer (<i>LBNL/ UC Santa Cruz</i>) IMPRINTING AND TOPOLOGICAL SPIN TEXTURES IN THIN DMI MULTILAYERS
12:15	<i>Th-8</i>	M. Hoffmann, B. Zimmermann, G.P. Müller, D. Schürhoff, N.S. Kiselev, C. Melcher, S. Blügel (<i>FZ Jülich/ U Iceland/ RWTH Aachen</i>) ANTISKYRMIONS STABILIZED BY ANISOTROPIC DZYALOSHINSKII-MORIYA INTERACTION AT INTERFACES OF LOW SYMMETRY
12:30		Lunch and Poster Session
		<i>Chair: Y. Suzuki (U Osaka)</i>
13:30	<i>Th-9</i> INVITED	M. H. Seaberg, B. Holladay, J. C. T. Lee, M. Sikorski, A. H. Reid, S. A. Montoya, G. L. Dakovski, J. D. Koralek, G. Coslovich, S. Moeller, W. F. Schlotter, R. Streubel, S. D. Kevan, P. Fischer, E. E. Fullerton, J. L. Turner, F.-J. Decker, S. K. Sinha, S. Roy, J. J. Turner (<i>SLAC/ UC San Diego/ UO Eugene/ LBNL</i>) MAGNETIC SKYRMION FLUCTUATIONS
14:00	<i>Th-10</i> <i>BSPF</i>	M. Xu, J. Puebla, F. Auvray, B. Rana, K. Kondou, Y. Otani (<i>U Tokyo/ RIKEN</i>) CHARACTERIZATION OF COUPLING BETWEEN MECHANICAL ANGULAR MOMENTUM AND ELECTRON SPIN
14:15	<i>Th-11</i>	X. M. Chen, B. Farmer, J. S. Woods, J. C. T Lee, S. D. Kevan, L. E. De Long, S. Roy, J. T. Hastings (<i>LBNL/ U Kentucky</i>) THERMALLY INDUCED SPONTANEOUS AF SUPER-DOMAIN WALL FLUCTUATIONS IN ARTIFICIAL SPIN ICE
14:30	<i>Th-12</i> <i>BSPF</i>	L. Caretta, M. Mann, F. Büttner, K. Ueda, B. Pfau, C.M. Günther, P. Hessing, A. Churikova, C. Kloose, M. Schneider, D. Engel, C. Marcus, D. Bono, K. Bagschick, S. Eisebitt, G.S.D. Beach (<i>MIT/ MBI Berlin/ TU Berlin/ DESY</i>) ULTRAFAST AND ULTRASMALL: DOMAIN WALLS AND SKYRMIONS IN COMPENSATED FERRIMAGNETIC THIN FILMS
14:45	<i>Th-13</i>	S. Rohart, A. Hrabec, V. Krizakova, S. Pizzini, J. Sampaio, A. Thiaville, J. Vogel (<i>U Paris-Sud/ CNRS</i>) VELOCITY ENHANCEMENT BY SYNCHRONIZATION OF MAGNETIC DOMAIN WALLS
15:00		PM break and Poster Session
		<i>Chair: S. Majetich (CMU)</i>
15:30	<i>Th-14</i> INVITED	S.-H. Yang (<i>IBM Almaden</i>) CHIRAL SPINTRONICS
16:00	<i>Th-15</i>	J.Y. Chaleau, W. Legrand, N. Reyren, D. Maccariello, S. Collin, H. Popescu, K. Bouzouane, V. Cros, N. Jaouen, A. Fert (<i>SOLEIL/ CNRS Thales</i>) CHIRALITY IN MAGNETIC MULTILAYERS PROBED BY THE SYMMETRY AND THE AMPLITUDE OF DICHOISM IN XRMS
16:15	<i>Th-16</i>	R. Streubel, C.-H. Lambert, N. Kent, P. Ercius, A.T. N'Diaye, C. Ophus, S. Salahuddin, P. Fischer (<i>LBNL/ UC Berkeley/ UC Santa Cruz</i>) CHIRAL FERRIMAGNETISM IN AMORPHOUS Gd-Co FILMS
16:30	<i>Th-17</i> <i>BSPF</i>	I. Lemesh, K. Litzius, M. Kläui, G.S. D. Beach (<i>MIT/ U Mainz</i>) CURRENT-INDUCED SKYRMION GENERATION THROUGH MORPHOLOGICAL PHASE TRANSITIONS IN CHIRAL FERROMAGNETIC HETEROSTRUCTURES

- 16:45 Th-18 **H.-S. Han, S. Lee, D.-H. Jung, N. Kim, K.-S. Lee (UNIST)**
THE THREE-DIMENSIONAL NATURE IN MAGNETIC VORTEX DYNAMICS
- 17:00 Th-19 **U. Ritzmann, S. von Malottki, J.-V. Kim, S. Heinze, J. Sinova, B. Dupé (U Mainz/ Uppsala U/ CAU Kiel/ CNRS)**
TROCHOIDAL MOTION AND PAIR GENERATION IN SKYRMION AND ANTISKYRMION DYNAMICS DRIVEN BY SPIN-ORBIT TORQUES
- 17:15 Th-20 **O.A. Tretiakov, M. N. Potkina, I. S. Lobanov, V. M. Uzdin, H. Jonsson (Tohoku U/ St Petersburg State U/ U Iceland/ ITMO Univ)**
ANTISKYRMIONS IN FERROMAGNETS AND ANTIFERROMAGNETS

Friday, July 27, 2018

08:00		Registration
		<i>Chair: M. Przybylski (AGH Cracow)</i>
09:00	Fr-1	P. D. Bentley, S. P. Tear, A. Ferreira, A. Pratt (U York) PROXIMITY-INDUCED EFFECTS DURING SURFACTANT CONTROLLED GROWTH OF Fe ON GRAPHENE/SiC
09:15	FR-2	M. Valvidares, P. Gargiani, L. Melo, P. Perna, J. Camarero, R. Cuadrado, M. Pruneda, F. Sanchez (ALBA/ UAB) GRAPHENE-BASED SYNTHETIC FERRIMAGNETS, ANTIFERROMAGNETS AND EXCHANGE-BIASED ULTRATHIN-FILM STRUCTURES
09:30	FR-3	N. Satchell, N.O. Birge (MSU/ U Leeds) SUPERCURRENT IN FERROMAGNETIC JOSEPHSON JUNCTIONS WITH HEAVY METAL INTERLAYERS
10:45	FR-4	R. M. Rowan-Robinson, J. Brandão, A.A. Stashkevich, Y. Roussigné, M. Belmeguenai, S-M. Cherif, A. Thiaville, S. Azzawi, T. P. A. Hase, A. T. Hindmarch, D. Atkinson (U Durham/ U Paris/ U Paris-Sud/ U Warwick/ Uppsala U/ Campinas) FERROMAGNETIC/NON-MAGNETIC INTERFACES & MAGNETISATION SWITCHING - PROXIMITY MAGNETISATION, DMI & DAMPING EFFECTS
10:00	FR-5 INVITED	C. Gong, X. Zhang (UC Berkeley) DISCOVERY OF INTRINSIC FERROMAGNETISM IN 2D VAN DER WAALS CRYSTALS
10:30		AM break
		<i>Chair: C.H. Marrows (U Leeds)</i>
11:00	FR-6 INVITED	R. J. Snow, H. Bhatkar, A. T. N'Diaye, E. Arenholz, Y. U. Idzerda (MSU/ LBNL) LARGE MOMENTS IN BCC Fe _x CoyMn _z TERNARY ALLOY THIN FILMS
11:30	FR-7	W. Hüttenes, M. Cialone, M. Coïsson, T. Franks-Moore, P. Tiberto, P. Rizzi, A.L. Greer, Z.H. Barber (U Cambridge/ INRIM/ U Torino) MEASURING, OPTIMISING AND APPLYING MAGNETOSTRICTIVE Fe-Al THIN FILMS
11:45	FR-8	D.J. Keavney, Y. Choi, M.V. Holt, V. Uhlř, D. Arena, E.E. Fullerton, P.J. Ryan, J.-W. Kim (ANL/ UC San Diego/ USF) PHASE COEXISTENCE AND KINETIC ARREST IN THE MAGNETOSTRUCTURAL TRANSITION OF THE ORDERED ALLOY FeRh

12:00	<i>FR-9</i>	G. E. Sterbinsky, R. Nanguneri, J. X. Ma, J. Shi, E. Karapetrova, J. C. Woicik, H. Park, J.-W. Kim, P. J. Ryan (<i>ANL/ UI Chicago/ UC Riverside/ NIST/ Dublin City U</i>) INTERPLAY BETWEEN STRUCTURE, CHARGE, AND SPIN IN EPITAXIAL LANTHANUM COBALTITE
12:15	<i>FR-10</i>	T. Okuno, D.-H. Kim, S.-H. Oh, S. K. Kim, Y. Hirata, T. Nishimura, Y. Futakawa, H. Yoshikawa, A. Tsukamoto, Y. Tserkovnyak, Y. Shiota, T. Moriyama, K.-J. Kim, K.-J. Lee, T. Ono (<i>Kyoto U/ Korea U/ UCLA/ Nihon U/ KAIS/ Osaka U</i>) SPIN-TRANSFER TORQUES IN THE VICINITY OF THE ANGULAR MOMENTUM COMPENSATION TEMPERATURE OF FERRIMAGNETIC GdFeCo
12:30		Lunch break
		<i>Chair: X. Jin (Fudan U)</i>
13:30	<i>FR-11</i> INVITED	A.M. Deac (<i>HZDR</i>) TOWARDS THz SPIN-TORQUE OSCILLATORS
14:00	<i>FR-12</i>	W. G. Yang, M. Jaris, C. R. Berk, H. Schmidt (<i>UC Santa Cruz</i>) PREFERENTIAL 'COLD EXCITATION' OF A SINGLE NANOMAGNET USING MAGNETO-ELASTIC COUPLING
14:15	<i>FR-13</i>	K. Zakeri (<i>KIT</i>) ON THE TEMPERATURE DEPENDENCE OF TERAHERTZ SPIN EXCITATIONS IN ULTRATHIN FERROMAGNETS
14:30	<i>FR-14</i> INVITED	S. Fukami, C. Zhang, Y. Takeuchi, Y. Takahashi, B. Jinnai, H. Ohno (<i>Tohoku U</i>) SPIN-ORBIT TORQUE INDUCED MAGNETIZATION SWITCHING FOR HIGH-SPEED NONVOLATILE MEMORIES
15:00		Concluding remarks