

P1 Monday 17h-18h

P1-1	<i>Spin-Orbit Torque Driven Damping Modulation In Perpendicular Magnetic Thin Films</i> S. Saha ^{1,2} , P. Flauger ³ , A. Hrabec ^{1,2} , Z. Luo ^{1,2} , C. Abert ³ , J. Zhou ^{1,2} , D. Suess ³ ¹ Laboratory For Mesoscopic Systems, Department Of Materials, ETH Zurich, 8093 Zurich, Switzerland; ² Paul Scherrer Institut, 5232, Villigen; ³ Christian Doppler Laboratory Of Advanced Magnetic Sensing And Materials, Faculty Of Physics, University Of Vienna, Austria
P1-2	<i>Magnetotransport Characterization Of Mn-Doped Bi2Te3 Thin Films</i> A. Pilidi ¹ , Th. Speliotis ¹ , T. Helm ² ¹ NCSR "Demokritos", Patr. Gregoriou E & 27 Neapoleos Str, 15310 Athens, Greece; ² Helmholtz-Zentrum Dresden-Rossendorf, Bautzner Landstrasse 400, 01328 Dresden, Germany
P1-3	<i>Magnetic Properties of FeRh Films with Different Strain States</i> J. A. Arregi ¹ , Libor Vojáček ² , Tomáš Molnár ² , Vojtěch Uhlíř ^{1,2} ¹ CEITEC BUT, Brno University Of Technology, Brno, Czech Republic; ² Institute Of Physical Engineering, Brno University Of Technology, Brno, Czech Republic
P1-4	<i>Atomistic Modelling Of Spin-Orbit Torque Switching In Antiferromagnets</i> S. Jenkins, R. W. Chantrell, R. F. L. Evans <i>University Of York, Heslington, Yo10 5DD</i>
P1-5	<i>Ultrafast Spin Seebeck Effect In KCoF₃/Pt</i> Farhan Nur Kholid ¹ , Dominik Hamara ¹ , Davide Bossini ² , Roman Pisarev ³ , Chiara Ciccarelli ¹ ¹ Cavendish Laboratory, University Of Cambridge, Cambridge CB3 0HE, United Kingdom; ² Experimentelle Physik VI, TU-Dortmund, D-44227 Dortmund, Germany ³ Ioffe Institute, Russian Academy Of Sciences, 194021, St Petersburg, Russia
P1-6	<i>Ultrafast Dynamics In FeRh And FePt/FeRh Systems</i> M Strungaru, S Ruta, R FL Evans, R W Chantrell <i>Department Of Physics, University Of York, Heslington, York, UK</i>
P1-7	<i>Finite-Difference Modeling Of Spin Transport Dynamics</i> L. E. Elliott ¹ , C. Abert ² , D. Suess ² , R. F. L. Evans ¹ , R. W. Chantrell ¹ ¹ Computational Magnetism Group, Department Of Physics, University Of York, Heslington, UK ² Christian Doppler Laboratory Of Advanced Magnetic Sensing And Materials, University Of Vienna, Austria
P1-8	<i>Towards Ultrafast Spintronics</i> Kaushalya, J.L. Bello, S. Mangin, M. Hehn, J. Gorchon <i>Institut Jean Lamour, (UMR-CNRS 7198), Université De Lorraine, Nancy, France</i>

P1-9	<p><i>Engineered Gd-Co Based Multilayer Stack To Enhanced Magneto-Caloric Effect And Relative Cooling Power</i> M.Tadout^{1,2}, C.H Lambert³, M.S. El Hadri³, O. Mounkachi², A. Benyoussef^{1,2}, M. Hamedoun², M. Benaissa², S. Mangin³ ¹ Laboratoire De Matière Condensée Et Sciences Interdisciplinaires (Lamcsci), B.P. 1014, Faculty Of Science-Mohammed V University, Rabat, Morocco; ² Materials And Nanomaterials Centre, Moroccan Foundation For Advanced Science, Innovation And Reserarch,Mascir, Rabat, Morocco; ³ Institut Jean Lamour, UMR CNRS 7198, Université De Lorraine, Nancy, France</p>
P1-10	<p><i>Stimulated K-Vector Selective Magnon Excitation In Nife Films Using Femtosecond Laser Pulse Trains</i> Ahmad A. Awad, Shreyas Muralidhar, Ademir Aleman, Roman Khymyn, Mykola Dvornik, Dag Hanstorp, Johan Åkerman University Of Gothenburg, Kemivägen 9, 41296, Göteborg, Sweden</p>
P1-11	<p><i>Ultrafast Coherent Spin Dynamics In The Antiferromagnet MnTe</i> M. Terschanski¹, S. Dal Conte², G. Springholz³, G. Cerullo², D. Bossini¹, M. Cinchetti¹ ¹ Experimentelle Physik 6, TU Dortmund University, Otto-Hahn-Straße 4, 44227 Dortmund, Germany; ² Dipartimento Di Fisica, Politecnico Di Milano, Piazza L. Da Vinci 32, 20133 Milano, Italy; ³ Institut Für Halbleiterphysik, University Of Linz, Altenberger Straße 69, 4040 Linz, Austria</p>
P1-12	<p><i>High resistive fs-optical single-pulse switching in a single-layer antiferromagnetic memory</i> M. Surýnek¹, Z. Kašpar^{1,2}, P. Němec¹, K. Olejník² ¹Faculty of Mathematics and Physics, Charles University, Ke Karlovu 3, 121 16 Prague 2, Czech Republic; ²Institute of Physics, Czech Academy of Sciences, Cukrovarnická 10, 162 00 Praha 6, Czech Republic</p>

P2 Wednesday 12h45 - 13h45

P2-1	<p><i>Ultrafast Magnetization Dynamics of CoFeB-based multilayer thin films with perpendicular anisotropy</i> A. S. Silva¹, S. P. Sá¹, S. Bunyayev¹, G. Kakazei¹, M. Canhota¹, M. Miranda¹, C. Garcia², I. J. Sola³, H. Crespo¹, D. Navas¹ ¹ Department of Physics and Astronomy, IFIMUP-IN, Faculdade de Ciências, Universidade do Porto, Porto, Portugal; ² Department of Physics, Technical University Federico Santa María, 2390123 Valparaiso, Chile; ³ Laser Applications and Photonics group, Department of Applied Physics, University of Salamanca, Spain</p>
P2-2	<p><i>Modelling of laser-induced magnetization dynamics under inverse Faraday effect</i> E. Saugar and O. Chubykalo-Fesenko <i>Instituto de Ciencia de Materiales de Madrid, CSIC, Cantoblanco, 28049 Madrid, Spain</i></p>
P2-3	<p><i>Investigation of Anisotropy of Magneto-optical Voigt Effect in GaMnAs</i> J. Kimak, V. Wohlrath, P. Kubascik, M. Surynek, E. Schmoranzero, P. Nemecek <i>Faculty of Mathematics and Physics, Charles University, Ke Karlovu 3, 121 16 Prague 2, Czech Republic</i></p>
P2-4	<p><i>Selective All-Optical Toggle Switching Defined by Spin Currents in FM/Cu/Co/Gd Systems</i> Y.L.W. van Hees, P. van de Meughevel, B. Koopmans, R. Lavrijsen <i>Department of Applied Physics, Eindhoven University of Technology, 5600 MB Eindhoven, the Netherlands</i></p>
P2-5	<p><i>Investigating Optically Excited THz Spanding Spin Waves in Noncollinear Magnetic Heterostructures</i> T. Lichtenberg, M.H. Janssen, R. Lavrijsen, B. Koopmans <i>Department of Applied Physics, Eindhoven University of Technology, 5600 MB Eindhoven, the Netherlands</i></p>
P2-6	<p><i>Optically Induced Demagnetization in Ferro- and Antiferromagnetic Multilayer Systems</i> I. Kumberg, E. Golias, R. Hosseinifar, W. Kuch <i>Institut für Experimentalphysik, Freie Universität Berlin, Arnimallee 14, 14195 Berlin, Germany</i></p>
P2-7	<p><i>Comparing all-optical switching in synthetic-ferrimagnetic multilayers and alloys</i> M. Beens¹, M.L.M. Lalieu¹, A.J.M. Deenen¹, R.A. Duine^{1,2}, B. Koopmans¹ ¹Department of Applied Physics, Eindhoven University of Technology, 5600 MB Eindhoven, The Netherlands; ²Institute for theoretical physics, Utrecht University, 3584 CE Utrecht, The Netherlands</p>
P2-8	<p><i>Imaging of light induced magnetic domains in half-metallic compensated ferrimagnet Mn₂RuGa</i> J. Besbas, C. Banerjee, K. Siewierska, G. Atcheson, N. Teichert, Z. Gercsi, P. Stamenov, J. M. D. Coey and K. Rode <i>School of Physics, Trinity College Dublin, Ireland</i></p>

<p>P2-9</p>	<p><i>Effects of Plasmonic Nanorings on Ultrafast Magnetization Dynamics in TbCo</i> Kshiti Mishra¹, Agne Ciuciulkaite², Oleg Lysenko³, Vassilios Kapaklis², Alexandre Dmitriev³, Theo Rasing¹, Alexey Kimel¹, and Andrei Kirilyuk^{1,4} ¹Radboud University, Institute for Molecules and Materials, Nijmegen, the Netherlands; ²Department of Physics and Astronomy, Uppsala University, Uppsala, Sweden; ³Department of Physics, University of Gothenburg, Göteborg, Sweden; ⁴FELIX Laboratory, Radboud University, Nijmegen, the Netherlands</p>
<p>P2-10</p>	<p><i>Investigation of ultrafast all-optical magnetic toggle-switching in GdFe</i> R. Hosseinifar, I. Kumberg, E. Golias, S. Thakur, W. Kuch Institut für Experimentalphysik, Freie Universität Berlin, Arnimallee 14, 14195 Berlin, Germany</p>
<p>P2-11</p>	<p><i>Spin Waves Driven by Ultrafast Laser-Induced Anisotropy Changes in an Epitaxial Galfenol Film</i> N.E. Khokhlov¹, P.I. Gerevenkov¹, L.A. Shelukhin¹, A.V. Scherbakov^{1,2}, A.W. Rushforth³, A.M. Kalashnikova¹ ¹Ioffe Institute, St Petersburg, Russia; ²Experimentelle Physik II, Technische Universität Dortmund, Germany; ³School of Physics and Astronomy, University of Nottingham, United Kingdom</p>
<p>P2-12</p>	<p><i>Wavelength dependence of ultrafast demagnetization in CoPt</i> F. Mertens¹, S. Bork¹, D. Polley², S. Urazhdin³, S. Bonetti², D. Bossini¹, M. Cinchetti¹ ¹Experimentelle Physik VI, TU Dortmund, Otto-Hahn-Straße 4, 44227 Dortmund, Germany; ²Department of Physics, Stockholm University, SE-106 91 Stockholm, Sweden ³Department of Physics, Emory University, Atlanta, Georgia 30322, USA</p>