2018 IEEE INTERNATIONAL CONFERENCE ON MICROWAVE MAGNETICS

PROGRAM

SUNDAY 24th JUNE

REGISTRATION

17:00 - 19:00

Holland Hall

MONDAY 25th JUNE

REGISTRATION

08:30 - 10:00

The Forum

HIGH FREQUENCY MATERIALS AND METAMATERIALS

The Alumni Auditorium

09:00

The Dzyaloshinskii-Moriya interaction in magnetic multilayers (invited) Hans T. Nembach[1,2] *1.Quantum Electromagnetics Division, National Institute of Standards and Technology, Boulder, CO 80305, USA 2. JILA, University of Colorado Boulder, Boulder, CO 80309, USA*

09:30

Epitaxial yttrium iron garnet thin film structures with sharp edges Adam Krysztofik,[1] Emerson Coy,[2] Piotr Kuświk,[1] Karol Załęski,[2] Hubert Głowiński,[1] and Janusz Dubowik[1] *1. Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland, 2. Nano-BioMedical Centre, Adam Mickiewicz University, Poznań, Poland*

09:45

Enhancement of spin-orbital coupling in Cu layer by rare-earth of Nd additives Qiang Fu,[1] Jian Liang,[1] Xiaochao Zhou,[1] Jinjin Yue,[1] Honglei Yuan,[1] Zhaocong Huang,[1] and Ya Zhai[1,2] *1. School of Physics, Southeast University, 2. National Laboratory of Solid Microstructures, Nanjing University*

10:00

BREAK

The Forum

10:30

Quantum magnonics: control and measurement of a single magnon (invited) Yasunobu Nakamura[1,2] *1. Research Center for Advanced Science and Technology (RCAST), The University of Tokyo, 2. Center for Emergent Matter Science (CEMS), RIKEN*

11:00

Microwave Properties of $NiFe_2O_4$ Nano Hollow-spheres using home-made Rectangular Waveguides Dipika Mandal,[1] and Kalyan Mandal[1] *1. Department of Condensed Matter Physics & Material Sciences, S. N. Bose National Centre for Basic Sciences, Kolkata-106, India*

11:15

Broadband FMR measurements on MnN/CoFeB exchange bias systems Mareike Dunz,[1] Anish Rai,[2] Jamileh Beik Mohammadi,[3] Claudia Mewes,[2] Tim Mewes,[2] Philipp Zilske,[1] and Markus Meinert[1] *1. Center for Spinelectronic Materials and Devices, Department of Physics, Bielefeld University, 2. Center for Materials for Information Technology, University of Alabama, 3. Center for Quantum Phenomena, Department of Physics, New York University*

11:30

High-Frequency Dynamics of Honeycomb Artificial Spin Ice in Different Microstates Daan M. Arroo[1], Jack C. Gartside[1], Lesley F. Cohen[1], Will R. Branford[1] *1. Blackett Laboratory, Imperial College London*

11:45

BREAK

The Forum

SPIN-TORQUE OSCILLATORS

The Alumni Auditorium

12:00

Mutual synchronization in chains and arrays of spin Hall nano-oscillators (invited) Johan Åkerman[1,2] *1. Department of Physics, University of Gothenburg, 412 96 Gothenburg, Sweden, 2. Materials and Nanophysics, School of ICT, KTH Royal Institute of Technology, 164 00 Kista, Sweden*

12:30

Nonlinear spin wave dynamics of coupled magnetic skyrmions Michele Ruggeri,[1] Carl-Martin Pfeiler,[2] Bernhard Stiftner,[2] Norbert J. Mauser,[1] Dirk Praetorius,[2] and Gino Hrkac[2,3] *1. Faculty of Mathematics, University of Vienna, 2. Institute for Analysis and Scientific Computing, TU Wien, 3. College of Engineering, Mathematics, and Physical Sciences, University of Exeter*

12:45

Ultra-fast artificial neuron: generation of picosecond-duration spikes in a current-driven antiferromagnetic auto-oscillator Roman Khymyn,[1] Ivan Lisenkov,[2, 3] James Voorheis,[4] Olga Sulymenko,[5] Oleksandr Prokopenko,[5] Vasyl Tyberkevych,[4] Johan Akerman,[1] and Andrei Slavin [4] *1. Department of Physics, University of Gothenburg, 41296 Gothenburg, Sweden*, *2. Department of Electrical Engineering,, Oregon State University, Corvallis, OR 97331, USA*, *3. Institute of Radioengineering and Electronics of RAS, Moscow, Russia*, *4. Department of Physics, Oakland University, Rochester, MI 48309, USA*, *5. Faculty of Radiophysics, Taras Shevchenko National University of Kyiv, Kyiv, 01601, Ukraine*

13:00

LUNCH

The Forum

14:00

Excitation of short spin-wave packets by pure spin current (invited) Boris Divinskiy,[1] Vladislav E. Demidov,[1] Sergej O. Demokritov,[1] and Sergei Urazhdin[2] *1. Institute for Applied Physics, University of Muenster, 2. Department of Physics, Emory University*

14:30

Current-driven mode expansion and rotation in nano-constriction spin Hall nano-oscillators in out-of-plane fields Ahmad A. Awad,[1] Mykola Dvornik,[1] Afshin Houshang,[1] Philipp Dürrenfeld,[1, 2] Mohammad Zahedinejad,[1] Yuli Yin,[1, 3] and Johan Åkerman[1, 4] *1. Department of Physics, University of Gothenburg, 412 96 Gothenburg, Sweden, 2. Nanjing University, Nanjing, China 3South East University, Nanjing, China, 3. South East University, Nanjing, China, 4. Materials and Nanophysics, School of ICT, KTH Royal Institute of Technology, 164 00 Kista, Sweden*

14:45

Phase shift keying in spin torque oscillators (invited) A. Litvinenko[1], C. Murapaka[1], P. Sethi[1], A. Jenkins[2], L. Vila[1], V. Cros[3], P. Bortolotti[4], R. Ferreira[2] and U. Ebels[1] *1. Univ. Grenoble Alpes, CEA, CNRS, INAC, SPINTEC, F-38000 Grenoble, France, 2. International Iberian Nanotechnology Laboratory (INL), Braga, Portugal, 3. Unité Mixte de Physique CNRS, Thales, Univ. Paris-Sud, Université Paris-Saclay, Paris, France, 4. THALES TRT, Palaiseau, France*

15:15

BREAK

The Forum

15:30

Spin torque excitation of spin waves at the yttrium iron garnet / cobalt interface (invited) Stefan Klingler,[1,2] Vivek Amin,[3,4] Stephan Geprägs,[1] Kathrin Ganzhorn,[1,2] Hannes Maier-Flaig,[1,2] Matthias Althammer,[1,2] Hans Huebl,[1,2,5] Rudolf Gross,[1,2,5] Robert D. McMichael,[3] Mark D. Stiles,[3] Sebastian T. B. Goennenwein,[6,7] and Mathias Weiler[1,2] *1. Walther-Meißner-Institut, Bayerische Akademie der Wissenschaften, Garching, Germany, 2. Physik-Department, TU München, Garching, Germany, 3. Center for Nanoscale Science and Technology, National Institute of Standards and Technology NIST, Gaithersburg, MD, USA, 4. Institute for Research in Electronics and Applied Physics, University of Maryland, College Park, MD, USA, 5. Nanosystems Initiative Munich, Munich, Germany, 6. Institut für Festkörperphysik, TU Dresden, Dresden, Germany, 7. Center for Transport and Devices of Emergent Materials, TU Dresden, Dresden, Germany*

16:00

Spin Seebeck effect and ballistic transport of quasi-acoustic magnons in room-temperature yttrium iron garnet films Dmytro A. Bozhko,[1*] Timo Noack,[1] Halyna Yu. Musiienko-Shmarova,[1] Thomas Langner,[1] Frank Heussner,[1] Viktor Lauer,[1] Björn Heinz,[1] Vitaliy I. Vasyuchka,[1] Anna Pomyalov,[2] Victor S. L'vov,[2] Burkard Hillebrands,[1] and Alexander A. Serga[1] *1. Fachbereich Physik and Forschungszentrum OPTIMAS, TU Kaiserslautern, Germany, 2. Department of Chemical Physics, Weizmann Institute of Science, Israel*

16:15

Tunable spin-wave phase shifters utilizing metal-insulator transition Vitaliy V. Vitko,[1] Andrey A. Nikitin,[1] Aleksei A. Nikitin,[1] Alexey B. Ustinov,[1] Maksim A. Belyaev,[2] Andrey A. Velichko,[2] and Boris A. Kalinikos[1] *1. Department of Physical Electronics and Technology, St. Petersburg Electrotechnical University "LETI," 2. Institute of Physics and Technology, Petrozavodsk State University*

16:30

Planar Hall torque (invited) Ilya N. Krivorotov,[1] Christopher Safranski,[1] and Eric A. Montoya[1] *1. Department of Physics and Astronomy, University of California at Irvine*

17:00

SNR improvement by introducing GPRML system and dual spin-torque oscillator Yasuaki Nakamura[1], Madoka Nishikawa[1], Hisashi Osawa[1], Yoshihiro Okamoto[1], Taro Kanao[2], and Rie Sato[2] *1. Graduate School of Science and Engineering, Ehime University,* 2. *Corporate Research and Development Center, Toshiba Corporation*

17:15

Investigation of anisotropic spin waves for computing applications Ádám Papp,[1] and György Csaba[1] *1. Faculty of Information Technology and Bionics, Pázmány Péter Catholic University, Hungary*

POSTER SESSION I

17:30 – 19:00

The Forum

BEYOND A PHD

19:00 – 20:00

For early career researchers

Buffet dinner included

Seminar Room

TUESDAY 26th JUNE

NONLINEAR PHENOMENA

The Alumni Auditorium

09:00

Nonlinear Magnetic Dynamics: Exchange Coupled Bilayers and the Magnetic Analogy to the Fermi-Pasta-Ulam Problem (invited) Robert E. Camley,[1,2] Aaron Ferona,[1] Jeramy Lewis,[1] and Nicholas R. Anderson[2] *1. Department of Physics, University of Colorado at Colorado Springs, 2. UCCS BioFrontiers Center, University of Colorado at Colorado Springs*

09:30

Hartman effect for spin waves in exchange regime Jarosław W. Kłos,[1,2] Yuliya S. Dadoenkova,[3,4] Justyna Rychły[1], Natalya. N. Dadoenkova,[3,4] Igor L. Lyubchanskii[4,5], and Józef Barnaś[1,6] *1. Faculty of Physics, Adam Mickiewicz University in Poznań, Poznań, Poland, 2. Institute of Physics, Greifswald University, Greifswald, Germany , 3. Ulyanovsk State University, Ulyanovsk, Russia, 4. Donetsk Physical and Technical Institute of the NAS of Ukraine, Ukraine, 5. V.N. Karazin Kharkiv National University, Kharkiv, Ukraine, 6. Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland*

09:45

Magnon-polaritons in antiferromagnets Rostislav V. Mikhaylovskiy,[1] Kirill Grishunin,[1,2] Sebastian Baierl,[3] Guo-Hong Ma,[4] Rupert Huber,[3] and Alexey V. Kimel[1,2] *1. Institute for Molecules and Materials, Radboud University, 2. Moscow Technological University (MIREA), 3. Department of Physics, University of Regensburg, 4. Department of Physics, Shanghai University*

10:00

Investigation of microwave bistability in spin-wave optoelectronic active ring resonator Vitalii V. Vitko, Andrey A. Nikitin, Alexey B. Ustinov, and Boris A. Kalinikos *Department of Physical Electronics and Technology, Saint Petersburg Electrotechnical University "LETI"*

10:15

Nonlinear spin conductance of yttrium iron garnet thin films driven by large spin-orbit torque N. Thiery, [1] A. Draveny, [1] V. V. Naletov, [1] L. Vila, [1] G. de Loubens, [2] M. Viret, [2] N. Beaulieu, [3] J.Ben Youssef, [3] V. E. Demidov, [4] S. O. Demokritov, [4] A. Anane, [5] V. Cros, [5] O. Klein [1] *1. SPINTEC, CEA-Grenoble, CNRS, Université Grenoble Alpes, 38054 Grenoble, France, 2. SPEC, CEA-Saclay, CNRS, Université Paris-Saclay, 91191 Gif-sur-Yvette, France, 3. LabSTICC, CNRS, Université de Bretagne Occidentale, 29238 Brest, France, 4. Department of Physics, University of Muenster, 48149 Muenster, Germany, 5. Unité Mixte de Physique CNRS, Thales, Université Paris-Saclay, 91767 Palaiseau, France*

10:30

BREAK

The Forum

10:45

MAGNETIZATION DYNAMICS AND RELAXATION I

The Alumni Auditorium

10:45

Ultrafast Lorentz Microscopy: A tool to study laser- and current-driven magnetization dynamics (invited) Marcel Möller,[1*] Nara Rubian da Silva,[1] John H. Gaida,[1] Armin Feist,[1] Sascha Schäfer, [2] and Claus Ropers[1] *1. 4th Physical Institute, University of Goettingen, 2. Institute for Physics, University of Oldenburg*

11:15

Tailoring the magnetic anisotropy of thin films using ferromagnetic resonance Dirk Backes[1] *1. Department of Physics, Loughborough University*

11:30

Anisotropies and relaxation in exchange-biased bilayers Tim Mewes,[1] Jamileh B. Mohammadi,[2] Joshua M. Jones,[1] Soumalya Paul,[1] Behrouz Khodadadi,[3] Christian Kaiser,[4] and Claudia K.A. Mewes[1] *1. Center for Materials for Information Technology, Dept. of Physics, University of Alabama, USA, 2. Dept. of Physics, New York University, New York, USA, 3. Dept. of Physics, Virginia Tech, Blacksburg, USA, 4. Western Digital, Fremont, USA*

11:45

BREAK

The Forum

12:00

Modulation of magnetization dynamics in dual-free-layer system by inserting ultra-thin rare-earth layers Qian Chen,[1] Xuezhong Ruan,[2] Long Yang,[2] Honglei Yuan,[1] Ya zhai,[1,*] and Yongbing Xu[2] *1. School of Physics, Southeast University, Nanjing 210096,China, 2. School of Electronic Science and Engineering, Nanjing University, Nanjing 210093, China*

12:15

The Influence of Boundary on spin pumping in permalloy/Terbium/permalloy trilayers Zhaocong Huang,[1] Yukun Wang,[1] Biao You, [2] Jun Du,[2] and Ya Zhai[1,2] *1. School of Physics, Southeast University, Nanjing210096, China, 2. National Laboratory of Solid Microstructures, Nanjing University*

12:30

Analysis of spin Hall effect using a coupled magnetisation dynamics and three-dimensional spin current solver Serban Lepadatu[1] *Jeremiah Horrocks Institute for Mathematics, Physics and Astronomy, University of Central Lancashire 1. School of Physical Sciences and Computing, University of Central Lancashire*

12:45

LUNCH

The Forum

13:45

MAGNETIZATION DYNAMICS AND RELAXATION II

The Alumni Auditorium

13:45

Nanomagnet field noise by relaxometry of nitrogen-vacancy centers in diamond (invited)

Robert D. McMichael[1] and Kapildeb Ambal[1,2] *1. Center for Nanoscale Science and Engineering, National Institute of Standards and Technology, USA, 2. Maryland NanoCenter, University of Maryland, College Park, MD, USA*

14:15

Internal emission of electromagnetic terahertz waves caused by ultrafast optical demagnetization in ferromagnetic transition metal

Vladimir A. Skidanov[1] *1. Institute for Design Problems in Microelectronics, Russian Academy of Sciences*

14:30

Temperature dependence of magnetic properties of a 18-nm-thick YIG film grown by liquid phase epitaxy: effect of a Pt overlayer

Nathan Beaulieu,[1] Nicolas Thiery,[2] Nelly Kervarec,[5] Olivier Klein,[2] Gregoire de Loubens,[3] Herve Hurdequint,[3] Jamal Ben Youssef,[1] and Nicolas Vukadinovic [4] *1. LabSTICC, CNRS, Université de Bretagne Occidentale, 29238 Brest, France, 2. SPINTEC, CEA-Grenoble, CNRS and Université Grenoble Alpes, 38054 Grenoble, France, 3. Service de Physique de l'Etat Condensé, CEA, CNRS, Université Paris-Saclay, Gif-sur-Yvette, France, 4. Dassault Aviation, 78 quai Marcel Dassault, 92552 St-Cloud, France, 5. Plateforme technologique RMN-RPE, Université de Bretagne Occidentale, 29238 Brest*

14:45

BREAK

The Forum

15:00

Quantum-impurity relaxometry of magnetic dynamics (invited)

Benedetta Flebus[1] 1. Department of Physics and Astronomy, University of California, Los Angeles, California 90095, USA

15:30

Modelling wave propagation in nanometer metallic magnetic structures Mustafa M. Aziz,[1*] Conor McKeever,[2] and Feodor Ogrin[2] *1. College of Engineering, Mathematics, and Physical Sciences, University of Exeter, 2. Department of Physics and Astronomy, University of Exeter*

15:45

Engineering interactions in 3-D artificial spin ice – a spectral analysis Gavin M. Macauley,[1] Sebastian Gliga,[1,2] Robert L. Stamps,[3] and Stephen McVitie[1] *1. SUPA, School of Physics and Astronomy, University of Glasgow, Glasgow, G12 8QQ, UK, 2. Paul Scherrer Institut, 5232 Villigen PSI, Switzerland, 3. Department of Physics and Astronomy, University of Manitoba, Winnipeg, MB3RT 2N2, Canada*

POSTER SESSION II

16:00 – 17:30

The Forum

PLENARY

17:30 – 18:30

Naturally Hyperbolic and Chirality Too: The Optics of Antiferromagnets R. Stamps[1], R. Macedo[2] and I. Proskurin[1] *1. Department of Physics and Astronomy, University of Manitoba, Winnipeg, Canada, 2. School of Physics and Astronomy, University of Glasgow, Glasgow, UK*

BREAK

Free time

18:30 – 19:30

DRINKS RECEPTION AND CONFERENCE DINNER

19:30 – 22:00

WEDNESDAY 27th JUNE

MAGNETIZATION DYNAMICS AND RELAXATION III

The Alumni Auditorium

09:00

Driving magnetisation precession with coherent phonons (invited) Andrew Rushforth,[1] Alexey Scherbakov,[2,3] Boris Glavin,[4] Dmitri Yakovlev,[2,3] Andrey Akimov,[1] and Manfred Bayer[2,3] *1. School of Physics and Astronomy, University of Nottingham, Nottingham NG7 2RD, 2. Experimentelle Physik 2, Technische Universität Dortmund, 44227 Dortmund, Germany, 3. Ioffe Institute, 194021 St. Petersburg, Russia, 4. Department of Theoretical Physics, V.E. Lashkaryov Institute of Semiconductor Physics, 03028 Kyiv, Ukraine*

09:30

Deeply non-linear ferromagnetic resonance in a YIG nano-disc: MRFM spectroscopy of spin-wave instabilities Grégoire de Loubens,[1] Yi Li,[1] Vladimir Naletov,[1,2] Olivier Klein,[3] Paolo Bortolotti,[4] Vincent Cros,[4] and Madjid Anane[4] *1. Service de Physique de l'État Condensé, CEA, CNRS, Université Paris-Saclay, 2. Institute of Physics, Kazan Federal University, 3. SPINTEC, CEA, CNRS and Université Grenoble Alpes, 4. Unité Mixte de Physique CNRS, Thales, Univ. Paris-Sud, Université Paris-Saclay*

09:45

A Luneburg lens for spin waves (invited) Natalie J. Whitehead,[1] Fedor B. Mushenok,[1] Simon A. R. Horsley,[1] Thomas G. Philbin,[1] and Volodymyr V. Kruglyak[1] *1. Department of Physics and Astronomy, University of Exeter*

10:15

BREAK

The Forum

10:30

Nonreciprocal flexural dynamics of Dzyaloshinskii domain walls Rémy Soucaille,[1,2] Felipe Garcia-Sanchez,[1,3] Joo-Von Kim,[1] Thibaut Devolder,[1] Jean-Paul Adam[1] *1. Centre de Nanosciences et de Nanotechnologies, CNRS, Univ. Paris-Sud, Université Paris-Saclay, 91405 Orsay cedex, France, 2. Department of Physics and Astronomy, University of Exeter, Stocker Road, Exeter EX4 4QL, United Kingdom, 3. Istituto Nazionale di Ricerca Metrologica, Strada delle Cacce 91, 10135, Turin, Italy*

10:45

Direct observation of magnetic droplet solitons Martina Ahlberg[1], Sunjae Chung[1,2,3], Q. Tuan Le[1,2], Ahmad A. Awad[1], Marcus Weigand[4], Iuliia Bykova[4], Roman Khymyn[1], Mykola Dvornik[1], Hamid Mazraati[2], Afshin Housang[1], Sheng Jiang[2], T. N. Anh Nguyen[1,2,5], Eberhard Goering[4], Gisela Schütz[4], Joachim Gräfe[4] and Johan Åkerman[1,2] *1. University of Gothenburg , Sweden, 2. KTH Royal Institute of Technology, Sweden, 3. Uppsala University, Sweden, 4. Max Planck Institute for Intelligent systems, Germany, 5. Vietnam Academy of Science and Technology, Vietnam*

11:00

Long-distance propagation of short-wavelength spin waves (invited) Chuanpu Liu [1,2], Jilei Chen [1], Tao Liu [3], Florian Heimbach [1], Haiming Yu [1], Yang Xiao [4], Junfeng Hu [1], Mengchao Liu [2], Houchen Chang [3], Tobias Stueckler [1], Sa Tu [1], Youguang Zhang [1], Yan Zhang [1], Peng Gao [2], Zhiming Liao [2], Dapeng Yu [2, 5], Ke Xia [6], Na Lei [1], Weisheng Zhao [1] and Mingzhong Wu [3,] *1. Fert Beijing Institute, School of Electronic and Information Engineering, BDBC, Beihang University, Xueyuan Road 37, Beijing 100191, China, 2. State Key Laboratory for Mesoscopic Physics and Electron Microscopy Laboratory, School of Physics, Peking University, 100871 Beijing, China, 3. Department of Physics, Colorado State University, Fort Collins, Colorado 80523, USA, 4. Department of Applied Physics, Nanjing University of Aeronautics and Astronautics, Nanjing 210016, China, 5. Department of Physics, Southern University of Science and Technology, 518055 Shenzhen, China, 6. Department of Physics, Beijing Normal University, Beijing 100875, China*

11:30

Spin waves in LMBE-grown nanosized YIG films: towards low relaxation Leonid V. Lutsev, Alexander M. Korovin, Viktor E. Bursian, Sergey M. Suturin, and Nikolai S. Sokolov *Ioffe Institute, Saint Petersburg, Russia*

11:45

Magnon Transport in Spin Textures (invited) Helmut Schultheiss, Helmholtz-Zentrum Dresden-Rossendorf

12:15

LUNCH

The Forum

13:15

SPIN WAVES AND MAGNONICS

The Alumni Auditorium

13:15

Probing and controlling ultrafast spin dynamics by terahertz waves (invited) Tobias Kampfrath[1,2] *1. Department of Physics, Freie Universität Berlin, Germany, 2. Department of Physical Chemistry, Fritz Haber Institute of the Max Planck Society, Berlin, Germany*

13:45

Influence of three magnon scattering on spin-wave damping in YIG/Bi_2Se_3 bilayer Aryan Navabi[1], Yuxiang Liu[1], Pramey Upadhyaya[2], Koichi Murata[1], Farbod Ebrahimi[1], Guoqiang Yu[1], Bo Ma[3], Rao Yiheng[3], Mohsen Yazdani[1], Mohammad Montazeri[1], Lei Pan[1], Ilya N. Krivorotov[4], Igor Barsukov[5], Qinghui Yang[3], Pedram Khalili Armiri[1], Yaroslav Tserkovnyak[2], Kang L. Wang[1] *1. Department of Electrical Engineering, University of California, Los Angeles, 2. Department of Physics and Astronomy, University of California, Los Angeles, 3. State Key Laboratory of Electronic Films and Integrated Devices, University of Electronic Science and Technology of China, 4. School of Physics and Astronomy, University of California, Irvine, 5. Department of Physics and Astronomy, University of California, Riverside*

14:00

Multilayered magnonic networks based on laterally and vertically coupled isulator-based magnetic stripes and magnonic crystals A.V. Sadovnikov[1,2], E.N. Beginin[1], S.E. Sheshukova[1], A.G. Grachev[1], S.A. Odincov[1], Yu.P. Sharaevsky[1] and S.A. Nikitov[1,2] *1. Dept. of Electronics, Oscillations and Waves, Saratov State University, 410012, Russia, Saratov, 83 Astrakhanskaya str.*

14:15

BREAK

The Forum

14:30

RF, MICROWAVE, AND MILLIMETER WAVE DEVICES

The Alumni Auditorium

14:30

Hexaferrite power composite noise suppressor implemented for IC interposer Akihiro Takahashi,[1] Mitsuharu Sato,[1] Yasunori Miyazawa,[1] Masahiro Yamaguchi,[1,2] Ranajit Sai,[1,3] Makoto Nagata,[4] *1. New Industry Creation Hatchery Centre (NICHe), Tohoku University, 2. Department of Electrical Engineering, School of Engineering, Tohoku University, 3. Centre for Nano Science and Engineering, Indian Institute of Science (IISc), 4. Graduate School of Science, Technology and Innovation, Kobe University*

14:45

Systematic errors in the determination of the spectroscopic g-factor in broadband ferromagnetic resonance spectroscopy: a proposed solution C. Gonzalez-Fuentes[1], R. K. Dumas[2] and C. Garcia[1] *1. Departmento de Física, Universidad Técnica Federico Santa María, 2. Quwantum Desing. Inc.*

15:00

Broadband spintronics diodes for energy harvesting Bin Fang[1], Mario Carpentieri[2], Pedram Khalili Amiri[3], Giovanni Finocchio[4], Zhongming Zeng[1] *1. Suzhou Institute of Nano-tech and Nano-bionics, P. R. China, 2. Department of Electrical and Information Engineering, Politecnico di Bari, Italy, 3. Department of Electrical Engineering and Computer Science, Northwestern University, USA, 4. Department of Mathematical and Computer Sciences, Physical Sciences and Earth Sciences, University of Messina, Italy*

15:15

CLOSE OF CONFERENCE