Session 1. Crystal handedness and spin chirality.  
Chairperson Catherine Pappas

14.00 – 14.30 Gen Tatara  
Dr., RIKEN, Japan  
«Doppler shift picture of Dzyaloshinskii-Moriya interaction»

14.30 – 15.00 Rostislav Mikhaylovskiy  
Mr, Radboud University, The Netherlands  
«Femtosecond Opto-magnetism in Materials with the Dzyaloshinskii-Moriya Interaction»

15.00 – 15.30 Ohta Hitoshi  
Prof., Kobe University, Molecular Photoscience Research Center, Japan  
«Determination of DMI in Kagome Lattice Antiferromagnet Cr-Jarosite by High-Frequency ESR»

15.30 – 16.00 Coffee break

Chairman Vladimir Dmitrienko

16.00 – 16.30 Isabelle Mirebeau  
Prof., LLB, Saclay, France  
«Two-step pressure induced collapse of magnetic order and fluctuating chiral phase in MnGe chiral magnet»

16.30 – 16.50 Gleb Valkovskiy  
«Small structural variation and various...»
Dr., Saint-Petersburg State University, St-Petersburg, Russia

Vladimir Sidorov, Dr., Vereshchagin Institute for High Pressure Physics, RAS, Moscow, Troitsk, Russia

«Effect of high pressure on the properties of cubic noncentrosymmetric compounds of Mn$_{1-x}$Rh$_x$Ge»

Nicolas Martin, Dr., LLB, Saclay, France

«Long-period smectic-like magnetic structures in Mn$_{1-x}$(Co,Rh)$_x$Ge alloys»

Evgeny Altyntayev, Mr., Petersburg Nuclear Physics Institute, Gatchina, Russia

«Fragile equilibrium in Fe and Co-doped MnGe compounds»

P. Kizhe, Dr., Grad-Kitezh University, Grad-Kitezh, Russia

«Spin wave stiffness in Mn$_{1-x}$Fe$_x$Ge helimagnets studied by SANS»

Welcome party

Wednesday, 24 May 2017

Chairman Javier Campo

9.00 – 9.30
Jun-ichiro Kishine, Prof., The Open University of Japan, Japan

«Mono-axial chirality in magnetism and optics»

Yoshihiko Togawa, Dr., Osaka Prefecture University, Japan

«Structure and Functionality of Chiral Monoaxial Magnetic Crystals»

Masayuki Hagiwara, Prof., Osaka University, Osaka, Japan

«Spiked structures on esr signals of the chiral helimagnet CrNb$_3$S$_6$»

Yusuke Kato, Prof., The University of Tokyo, Tokyo, Japan

«Spin structures in precursor region of uniaxial chiral magnets»

Shigeo Ohara, Prof., Nagoya Institute of Technology, Nagoya, Japan

Magnetic phase diagram of uniaxial chiral helical magnet Yb(Ni$_{0.94}$Cu$_{0.06}$)$_3$Al$_9$

11.30 – 12.00
Coffee break

Session 4. Chiral couplings and phase transitions in helimagnets.
Chairman Jun-ichiro Kishine

Alexander S. Ovchinnikov, Prof., Ural Federal University Ekaterinburg, Russia

«Functional RG analysis of Pokrovsky-Talapov model »
<table>
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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
<th>Topic</th>
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<tbody>
<tr>
<td>12.00 – 12.20</td>
<td>Alexander M. Belemuk</td>
<td>Institute for High Pressure Physics of RAS, Moscow, Russia</td>
<td>«Phase transitions in chiral magnets from Monte Carlo simulation»</td>
</tr>
<tr>
<td>12.20 – 12.40</td>
<td>Oleg Utesov</td>
<td>Dr., Petersburg Nuclear Physics Institute, Gatchina, Russia</td>
<td>«Cascades of phase transitions in spiral magnets caused by dipolar forces»</td>
</tr>
<tr>
<td>12.40 – 13.00</td>
<td>Javier Campo</td>
<td>Prof., Instituto de Ciencia de Materiales de Aragón – Universidad de Zaragoza, Zaragoza, Spain</td>
<td>«Nucleation, Instability and discontinuous phase transitions in the monoaxial helimagnet with oblique fields»</td>
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<tr>
<td>13.00 – 14.00</td>
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<td>Lunch</td>
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**Session 5. Phase transitions in helimagnets.**  
Chairman Yoshihiko Togawa

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<th>Topic</th>
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<tbody>
<tr>
<td>14.00 – 14.30</td>
<td>Catherine Pappas</td>
<td>Prof., TUDelft, Delft, Netherlands</td>
<td>«Phase transition of MnSi under magnetic field: A SANS and Neutron Spin Echo Study»</td>
</tr>
<tr>
<td>14.30 – 14.50</td>
<td>Alla Petrova</td>
<td>Dr., Institute for High Pressure Physics of RAS, Moscow, Russia</td>
<td>«On phase diagram of the itinerant helical magnet MnSi at strong magnetic fields»</td>
</tr>
<tr>
<td>14.50 – 15.10</td>
<td>Fengjiao Qian</td>
<td>Ms., TUDelft, Delft, Netherlands</td>
<td>«Dissipation phenomena and magnetic phase diagram of Cu$_2$OSeO$_3$»</td>
</tr>
<tr>
<td>15.10 – 15.30</td>
<td>Misako Shinozaki</td>
<td>Dr., The University of Tokyo, Tokyo, Japan</td>
<td>«Metastability and Hysteresis in Chiral Helimagnet»</td>
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<tr>
<td>15.30 – 16.00</td>
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<td>Coffee break</td>
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**Session 6. Spin excitations in helimagnets with DM interaction**  
Chairman Arsen Gukasov

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<th>Time</th>
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<tbody>
<tr>
<td>16.00 – 16.30</td>
<td>Tobias Weber</td>
<td>Dr., Technische Universität München, Munich, Germany</td>
<td>«From helimagnons towards non-reciprocal spin-waves in MnSi »</td>
</tr>
<tr>
<td>16.30 – 17.00</td>
<td>Sergey Grigoriev</td>
<td>Dr., Petersburg Nuclear Physics Institute, Gatchina, Russia</td>
<td>«Spin wave stiffness in Mn$_{1-x}$Fe$_x$Si helimagnets studied by SANS»</td>
</tr>
<tr>
<td>17.00 – 17.20</td>
<td>Francisco Jose Trindade Goncalves</td>
<td>Dr., Osaka Prefecture University, Osaka, Japan</td>
<td>«Spin wave propagation in a chiral monoaxial crystal CrNb,S»</td>
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<td>Time</td>
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<tr>
<td>17.20 – 17.40</td>
<td>Sergey Maleyev, Prof.</td>
<td>Petersburg Nuclear Physics Institute, Gatchina, Russia</td>
<td>«DM helices and magnetic field »</td>
</tr>
<tr>
<td>17.40 – 18.00</td>
<td>Igor Proskurin, Dr.</td>
<td>The Open University of Japan, Chiba, Japan</td>
<td>«Spin-wave chirality and its manifestation in antiferromagnets»</td>
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<tr>
<td>18.00</td>
<td>Evening in St-Petersburg (free time)</td>
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**Thursday 25 May 2017**

**Session 7. Exotic spin structures (skyrmions) - I**

**Chairman Ted Monchesky**

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<th>Time</th>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>9.00 – 9.30</td>
<td>Sergey Demishev, Prof.</td>
<td>Prokhorov General Physics Institute of RAS, Moscow, Russia</td>
<td>«Different Skyrmion Lattice States in the A-Phase of MnSi Revealed by Magnetoresistance Probing»</td>
</tr>
<tr>
<td>9.30 – 9.50</td>
<td>Lars Bannenberg, Mr.</td>
<td>TUDelft, Delft, Netherlands</td>
<td>«Unraveling the coupling between skyrmion and crystallographic lattices»</td>
</tr>
<tr>
<td>9.50 – 10.10</td>
<td>Victor Ukleev, Dr.</td>
<td>CEMS, RIKEN, Japan</td>
<td>«Topological spin textures probed by coherent resonant soft X-ray scattering»</td>
</tr>
<tr>
<td>10.10 – 10.40</td>
<td>Victor Laliena, Prof.</td>
<td>Instituto de Ciencia de Materiales de Aragón – Universidad de Zaragoza, Zaragoza, Spain</td>
<td>«Stability of Skyrmionic textures in cubic helimagnets and the role of fluctuations.»</td>
</tr>
<tr>
<td>10.40 – 11.00</td>
<td>Nadya Chubova, Dr.</td>
<td>Petersburg Nuclear Physics Institute, Gatchina, Russia</td>
<td>«Conical lattice versus skyrmion lattice in MnSi: competition of two structures above $T_C$.»</td>
</tr>
<tr>
<td>11.00 – 11.20</td>
<td>Takashi Kurumaji, Dr.</td>
<td>RIKEN Center for Emergent Matter Science, Japan</td>
<td>«Neel-type Skyrmion lattice formation in a new class of polar magnet»</td>
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<tr>
<td>11.20 – 12.20</td>
<td>Coffee break, Poster session</td>
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**Session 8. Theory of DMI effect on the magnetic structure**

**Chairman Dmitry N. Aristov**

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<tbody>
<tr>
<td>12.20 – 12.40</td>
<td>Maria Jose Martinez-Perez, Dr.</td>
<td>University of Zaragoza, Spain</td>
<td>«Individual magnetic vortices investigated by nanosquid magnetometry»</td>
</tr>
<tr>
<td>12.40 – 13.00</td>
<td>Laura Köhler, Ms.</td>
<td>IFW Dresden, Dresden, Germany</td>
<td>«Topological domain walls in helimagnets»</td>
</tr>
<tr>
<td>Time</td>
<td>Session 9. Exotic spin structures (skyrmions) - II</td>
<td>Chairman Alexander S. Ovchinnikov</td>
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<tr>
<td>14.00 – 14.30</td>
<td>Dmitry Aristov, Dr., Petersburg Nuclear Physics Institute, Gatchina, Russia</td>
<td>«Stability of a skyrmion and interaction of magnons»</td>
<td></td>
</tr>
<tr>
<td>14.30 – 15.00</td>
<td>Victor Mironov, Dr., Institute for physics of microstructures RAS, Russia</td>
<td>«Skyrmion spin-wave resonances in ferromagnetic film with spatially modulated perpendicular anisotropy»</td>
<td></td>
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<tr>
<td>15.00 – 15.20</td>
<td>Andrey Tsypilnikov, Mr., Petersburg Nuclear Physics Institute, Gatchina, Russia</td>
<td>«Magnon spectrum in magnetic materials with skyrmion superlattice»</td>
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<tr>
<td>15.20 – 15.40</td>
<td>Coffee break</td>
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<tr>
<th>Time</th>
<th>Session 10. Hall effect in chiral magnetic structures</th>
<th>Chairman Sergey V. Demishev</th>
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<tbody>
<tr>
<td>15.40 – 16.10</td>
<td>Vladimir V. Glushkov, Prof., A.M. Prokhorov General Physics Institute Moscow, Russia</td>
<td>«Fermi Surface Evolution and Quantum Criticality in Mn_{1-x}Fe_xSi»</td>
</tr>
<tr>
<td>16.10 – 16.30</td>
<td>Inna Lobanova, Dr., Prokhorov General Physics Institute of RAS, Moscow, Russia</td>
<td>«Effect of magnetic field on the intermediate phase in Mn_{1-x}Fe_xSi: spin-liquid vs. fluctuations scenario»</td>
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<tr>
<th>Time</th>
<th>Session 11. Thin films and surface effects in cubic ferromagnets without center of symmetry</th>
<th>Chairman Sergey V. Demishev</th>
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<tbody>
<tr>
<td>16.30 – 17.00</td>
<td>Ted Monchesky, Prof., Dalhousie University, Halifax, Canada</td>
<td>«Chiral magnetic states in MnSi thin films»</td>
</tr>
<tr>
<td>17.00 – 17.20</td>
<td>Dirk Menzel, Dr., TU Braunschweig, Institute for Condensed Matter Physics, Braunschweig, Germany</td>
<td>«Electronic Transport in MnSi Thin Films and Nanostructures»</td>
</tr>
<tr>
<td>17.20 – 17.40</td>
<td>Vyacheslav Gritsaenko, IRC &quot;Smart Materials&quot;, Southern Federal University, Rostov-on-Don, Russia</td>
<td>«Time-dependent entanglement within a framework of Dzyaloshinskii-Moriya interaction effect»</td>
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<tr>
<td>17.40</td>
<td>Evening in St-Petersburg (free time)</td>
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</table>
### Session 12. Antiferromagnets and multiferroics

**Chairperson Isabelle Mirebeau**

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<th>Time</th>
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<tbody>
<tr>
<td>9.00 – 9.30</td>
<td>Vladimir Dmitrienko, Prof. Dr., A.V.Shubnikov Institute of Crystallography RAS, Moscow, Russia</td>
<td>«Spin-orbit effects in non-collinear magnetism»</td>
</tr>
<tr>
<td>9.30 – 10.00</td>
<td>Kazuhisa Kakurai, Prof., Japan Atomic Energy Agency, Tokai, JAPAN</td>
<td>«Magnetic structure and excitations in multiferroic hexaferrites»</td>
</tr>
<tr>
<td>10.00 – 10.20</td>
<td>Igor Zobkalo, Dr., Petersburg Nuclear Physics Institute Gatchina, Russia</td>
<td>«Chirality evolution in RMn2O5 multiferroics»</td>
</tr>
<tr>
<td>10.20 – 10.40</td>
<td>Andrey Fraerman, Prof., Institute for physics of microstructures RAS, Nizhny Novgorod, Russia</td>
<td>«Second harmonic generation in non-collinear magnetic system due to spin current: theory and experiment»</td>
</tr>
<tr>
<td>10.40 – 11.00</td>
<td>Vadim Dyadkin, Dr. SNBL, ESRF Grenoble, France</td>
<td>«Probing chirality with high energy synchrotron light»</td>
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<tr>
<td>11.00 – 11.30</td>
<td>Coffee break</td>
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### Session 13. Neutron scattering for non-collinear magnetism

**Chairman Kazuhisa Kakurai**

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<tr>
<td>11.30 – 12.00</td>
<td>Arsen Gukasov, Prof., LLB, Saclay, France</td>
<td>«Bilayered crystal of magnetic monopoles and multiferroicity in spin ice»</td>
</tr>
<tr>
<td>12.00 – 12.20</td>
<td>Dmitriy Tatarskiy, Mr., Institute for physics of microstructures RAS, Russia</td>
<td>«Nonreciprocal neutron diffraction on helical magnets»</td>
</tr>
<tr>
<td>12.20 – 12.40</td>
<td>Konstantin Metlov, Dr. Donetsk Institute for Physics and Technology, Donetsk</td>
<td>«Micromagnetic theory of a third-order effect in magnetic small-angle neutron scattering by a spatially inhomogeneous medium»</td>
</tr>
<tr>
<td>12.40 – 13.00</td>
<td>Alexander Kurbakov, Dr., Petersburg Nuclear Physics Institute Gatchina, Russia</td>
<td>«Magnetism of layered triangular antimonates and tellurates with and without existence of structural and magnetic chiralities coupling»</td>
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<tr>
<td>13.00 – 14.30</td>
<td>Lunch</td>
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<td>15.00 – 19.00</td>
<td>Excursion through town Peterhof</td>
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<tr>
<td>19.00</td>
<td><strong>Closure of conference and Conference dinner</strong></td>
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<td>22.00</td>
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</table>
| Poster session  
| (11:00-12:00 Thursday 25 May 2017) |
| Tatiana Ischenko,  
Dr., A.M. Prokhorov General Physics Institute Moscow, Russia |

«Mn$_{1-x}$Fe$_x$Si as a liquid crystal»

| Alexey Bykov,  
Dr., Saint Petersburg State University, St-Petersburg, Russia |

«Quasi two-dimensional character of the magnetic transition in YMn$_{16}$Sn$_6$»

| Denis Salamatin,  
Mr., Institute of High Pressure physics, Moscow, Russia |

«Incommensurate antiferromagnetism induced by a charge density wave in the cubic phases of REGe$_{2.85}$ (RE = Tb, Dy)»

| Alexander Samarin,  
Mr., Prokhorov General Physics Institute of RAS, Moscow, Russia |

«Magnetic Field Induced Griffiths Phase in Mn$_{1-x}$Fe$_x$Si Solid Solutions»

| Yusuke Araki,  
Mr., University of Tokyo, Tokyo, Japan |

«Magnetic and magnetoelectric properties in a chiral polar magnet Ni$_2$InSbO$_6$»

| Victor Timofeev,  
Mr., Petersburg Nuclear Physics Institute, Gatchina, Russia |

«Stereographic projection approach to skyrmionic spin structures»

| Kirill Pschenichnyi,  
Mr., Saint Petersburg State University, St-Petersburg, Russia |

«Neutron scattering cross section on the spin-waves in full polarized state in helimagnets »

| Igor Golosovskiy,  
Dr., Petersburg Nuclear Physics Institute, Gatchina, Russia |

«Incommensurate magnetic order in CoO nanoparticles revealed by neutron diffraction»

| Mikhail Prosnikov  
Mr., Ioffe Institute, Petersburg, Russia |

«Raman scattering study of the magnetic dynamics in PbFeBO$_4$ induced by the Dzyaloshinskii-Moriya interaction»

| Mariia Kuchugura,  
Ms., Petersburg Nuclear Physics Institute, Gatchina, Russia |

«The diffraction study of new low-dimensional spin frustrated chiral MnSnTeO$_6$»

| Maria V. Magnitskaya,  
Dr., Institute of High Pressure physics, Moscow, Russia |

«Electric field gradients in B20 compounds: Experiment and ab initio calculation»

| Tsuyoshi Omi,  
Mr., The University of Tokyo, Tokyo, Japan |

«Observation of a nonreciprocal signal in ferromagnetic resonance in multiferroic GaFeO$_3$»

| Kunio Tokushuku  
Mr. The University of Tokyo, Tokyo, Japan |

«Dynamics of chiral soliton lattice under an electric field and its magnetic dependence»