

V International Workshop Dzyaloshinskii-Moriya Interaction and Exotic Spin Structures (DMI 2019)

July 8-12, 2019
Petrozavodsk



**The workshop will include the application
of Dzyaloshinskii–Moriya Interaction (DMI) to the following areas:**

1. Crystal Handedness and Spin Chirality.
2. Critical Spin Fluctuations at the Phase Transition in Helimagnets.
3. Monoaxial Chiral Helimagnets.
4. Exotic Spin Structures (skyrmions, merons, etc.).
5. Chiral Couplings and Phase Transitions in Helimagnets.
6. Spin Excitations in Helimagnets with DM Interaction.
7. Hall Effect in Chiral Magnetic Structures.
8. Thin Films and Surface Effects in Cubic Ferromagnets without Center of Symmetry.
9. Neutrons and X-rays for Non-Collinear Magnetism.
10. Theory of DMI Effect on the Magnetic Structure.
11. Antiferromagnets and Multiferroics.

DMI 2019 will present invited talks, oral reports and poster presentations.

Program Committee:

Co-Chairman: Sergey Grigoriev
(Petersburg Nuclear Physics Institute, Gatchina, Russia)
Co-Chairman: Jun-ichiro Kishine
(The Open University of Japan, Japan)

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Markus Garst (Institute for Theoretical Physics, University of Cologne, Cologne, Germany)
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Sergey Yakunin (NRC Kurchatov Institute, Moscow, Russia)

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Secretary:
Anna Matveeva (NRC «Kurchatov Institute» – PNPI, Gatchina, Russia)

**Discover the beauty of Petrozavodsk
in the white-night, long-day period
(8-12 July 2019)!**

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<https://oiks.pnpi.spb.ru/events/DMI-2019>