



Thermal Conductivity
International Advanced
Research Workshop

III INTERNATIONAL WORKSHOP THERMAL CONDUCTIVITY OF SOLID STATES AT LOW TEMPERATURES



NATIONAL RESEARCH
FOUNDATION OF UKRAINE

25 OCTOBER 2023 | ONLINE

ABOUT WORKSHOP

Traditionally, the B. Verkin Institute for Low-Temperature Physics and Engineering of NAS of Ukraine holds wide-scope meetings in the field of condensed matter and low-temperature physics. In this year, thanks to Ukraine military force we are able to continue our research investigations, nevertheless, the putin's military aggression and invasion to the Ukraine territory. We also strongly need to save communication and collaboration with colleagues that have respectful opinions about Ukraine's independence and our European choice for integration. Therefore, we will organize III INTERNATIONAL THERMAL CONDUCTIVITY WORKSHOP (online) on 25 October 2023. The Workshop will be organized with the support of NRFU project No 2020.02/0094 "Quantum tunneling of vibrational excitations in thermal conductivity of crystalline and amorphous materials and composites". The main objective of the Thermal Conductivity Workshop is to provide comprehensive communication for experts in the area of low-temperature physics, thermal phenomena in solids, and heat transfer studies. We invite researchers to make keynote or regular talks with results related with the investigations of the thermal phenomena in the solid states at low temperature. We kindly expect that your report will provide a great scientific base for communication and discussion with the experts in the field of study of the thermal conductivity phenomena.

RESEARCH TOPICS

1. Low temperature thermal properties of quasi - 1D and 2D crystals.
2. Heat transfer in magnetic materials.
3. Collective excitations in molecular crystals and glasses.
4. Heat phenomena in nanomaterials and material science.
5. Thermal conductivity and quantum effects in solid states.

WORKSHOP ORGANIZERS

Prof. Alexander Dolbin

Prof. Alexander Krivchikov

Prof. Vyacheslav Konstantinov

Dr. Volodymyr Sagan

Dr. Razet Basnukaeva

Dr. Maksym Barabashko

Dr. Yuliia Horbatenko

PhD student Diana Hurova



WHAT'S WAITING FOR YOU?

- Registration Fee: No Fee
- Early registration: up to 15 September 2023
- Registration: up to 15 October 2023
- Format: 10 min oral presentation + time for discussion
- Requirements: 1 page abstract
- Confirmation: A successful registration will be validated by the e-mail confirmation
- Participation: The reports of the participants of the Workshop will be available for all registered persons (by Zoom link)
- Manuscript: In addition to an abstract we are strongly invite to submit the full manuscript that will be publication in the special issue of the peer-reviewed scientific journal Fizika Nizkikh Temperatur (English version of the journal Low Temperature Physics published American Institute of Physics) after reviewing



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