

Important dates

- ✚ March, 10th – Start of registration
- ✚ April, 1st – Start of abstracts submission
- ✚ **June, 1st – Registration, abstract and full paper deadline**
- ✚ August, 1st – Preliminary program and distribution of invitation letters
- ✚ August, 15th – Final program
- ✚ **September, 8th – Start of the workshop**

Organizer

[B.Verkin Institute for Low Temperature Physics and Engineering](#) of the National Academy of Sciences of Ukraine;

International Program Committee

Naidyuk Yu. G., Kharkiv, Ukraine - **Chairman**
Gloos K., Turku, Finland
Greene L., Urbana, USA
Goll G., Karlsruhe, Germany
Shekhter R. I., Goeteborg, Sweden
Shklyarevskii O. I., Kharkiv, Ukraine

Local Organizing Committee

Naidyuk Yurii – **Chairman**
Kamarchuk Gennadii – **Vice Chairman**
Kvitnitskaya Oksana – **Secretary**
Balkashin Oleg
Bobrov Nikolai
Fisun Vasilii
Gamayunova Nina
Golovko Svitlana
Gudimenko Vasilii
Khotkevich Andrej
Korovkin Ivan
Savitsky Andrej
Shklyarevskii Oleg
Tiutrina Lidia

Social events

Welcome party, Conference Dinner, and [Kharkiv sightseeing tour](#) are planned.

Accommodation

All participants should to make a room reservation for accommodation themselves. Please, visit the Workshop web-site to find some information about hotels not far from Workshop venue or contact with Yurii Naidyuk to get additional information about accommodation

Contacts

Postal Address:

Organizing Committee of PCS-2014,
B. Verkin Institute for Low Temperature Physics and Engineering of NASU,
47, Lenin Ave., Kharkiv, 61103, Ukraine

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Chairman: Prof. Naidyuk Yurii

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Vice-chairman: Dr. hab. Kamarchuk Gennadii

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Secretary: Dr. Kvitnitskaya Oksana

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Hotel information: Prof. Naidyuk Yurii

tel. +(380)-57-3402211,

e-mail: naidyuk@ilt.kharkov.ua

We look forward to hearing from you and would be honored to have you as our guest!

**B.Verkin Institute
for Low Temperature
Physics and Engineering
National Academy of Science of
Ukraine**



**III INTERNATIONAL WORKSHOP
ON POINT-CONTACT
SPECTROSCOPY
(PCS-2014)**

8 - 12 September 2014

Kharkiv, Ukraine

Dear colleagues!

Welcome to participate in the

**III INTERNATIONAL WORKSHOP ON
POINT-CONTACT SPECTROSCOPY
(PCS-2014),**

which will take place at

**B.Verkin Institute for Low Temperature
Physics and Engineering (ILTPE) of
NAS of Ukraine**

on **September 8-12, 2014,**
Kharkiv, Ukraine

The Conference is devoted to the 40th anniversary of the invention of point-contact spectroscopy method by Full Member of NAS of Ukraine prof. [I. K. Yanson](#) in ILTPE of NASU.

The First International Conference on Point-Contact Spectroscopy was held in ILTPE in 1991. This caused a lot of interest among the scientists of the Ukraine and many other countries. It was attended by over 100 scientists from Ukraine, Russia, Moldova, Armenia, France, Netherlands, Slovakia, USA, Germany, Switzerland, Israel and Japan. Two special issues of the [Soviet Journal of Low Temperature Physics](#) with the articles of participants were published in 1992 after the Conference.

The aim of the Workshop PCS-2014 is the holding of scientific meetings on actual problems in Point-Contact Spectroscopy based on fundamental and applied aspects, especially in the research of new superconducting materials and nanostructures.

The scientific goal of the Workshop is the discussion of the recent advances in this field of science and the determination promising areas which can give the access to nanotechnology.

The main topics

1. PC spectroscopy of quasiparticle excitations
2. Andreev-reflection spectroscopy
3. Thermal effects in microscopic constrictions
4. High-frequency and the noise PCS
5. PCS in high magnetic fields
6. Kondo-effect in metallic contacts
7. Two-level systems in metallic PCs

Materials:

- ✓ normal metals, alloys, intermetallic compounds
- ✓ conventional superconductors and HTSC
- ✓ heavy fermions and mixed valence compounds
- ✓ topological superconductors

Related topics:

- ✓ scanning tunneling spectroscopy
- ✓ quantum ballistic transport
- ✓ single-atomic contacts

NB: Special session devoted to investigation of iron-based superconductors by different spectroscopic methods like STM, ARPES, Raman, neutron etc is planned.

Workshop materials

Abstracts will be available in electronic and printed form before the Workshop.

Besides, a **special issue of the Journal "Low Temperature Physics"** (LTP) with the selected articles of participants will be published just after the Workshop.

Participation in the Workshop

For participation you need to fill the on-line registration form in the web-site.

The abstract should be sent to the Organizing Committee at pcs2014@ilt.kharkov.ua.

The Workshop regulations

The working **language** is English.

Forms of participation are oral (25 min) and poster (A0 format) presentations.

Young Scientist Prize will be awarded for the best oral and poster presentation.

Conference Venue

[Ukraine, Kharkiv, 61103, 47 Lenin Ave.](#),
B. Verkin Institute for Low Temperature
Physics and Engineering (ILTPE) of NASU.

Registration fee (preliminary)

The Registration fee is paid during the registration in the Ukrainian national currency (UAH) according to the exchange rate of the National Bank of Ukraine.
Participants from Ukraine and NIS countries - 200 UAH
Postgraduate students - 150 UAH
Students - discounted fee
Participants from other countries - 40 Euro 55 USD
Other participants - 200 UAH
1 day fee - 100 UAH, 10 Euro, 15 USD
The Registration fee includes participation in all scientific sessions, the conference kit, the Book of abstracts, coffee breaks, and welcome party.
Separately paid: airfare, accommodation.