

National Academy of Sciences of Ukraine  
Department of Nuclear Physics and Energy  
National Science Center "Kharkov Institute of Physics  
and Technology",  
Karazin Kharkov National University

### THIRD INTERNATIONAL CONFERENCE

## «HIGH-PURITY MATERIALS: PRODUCTION, APPLICATION, PROPERTIES»

Dedicated to memory of academician of NAS of Ukraine  
Vladimir Azhazha

**15 – 18 September, 2015.**

**Kharkov, Ukraine**

*First Announcement*

### IMPORTANT DATES

- Up to 15 May 2015 - Request in the conference and submission reports titles
- Up to 1 August 2015 - getting the Organizing Committee abstracts
- Up to September 1, 2015 - Payment of registration fee
- Up to 1 September 2015 delivery of the conference program
- September 14, 2015 - Arrival of participants

### ORGANIZING COMMITTEE

I.M. Neklyudov - NASU, Ukraine, Chairman

N.A. Azarenkov- V.N.Karazin National Univ., Kharkov,  
Co-Chairman

Voyevodin V.N - Doctor of Physical and Mathematical  
Sciences, corresponding member of NAS of Ukraine, professor,  
Co-Chairman

Phone: +380 57-335-66-09

Fax: +380-57-335-37-95

E-mail: voyev@kipt.kharkov.ua

Lavrinenko S.D. - Doctor of technical sciences, Co-Chairman

Phone: +380-57-335-65-02

Fax: +380-57-335-17-39

E-mail: slavrinenko@kipt.kharkov.ua

Kovtun G.P. - Doctor of Physical and Mathematical Sciences,  
professor, Co-Chairman

Phone: +380 57-335-66-52

E-mail: gkovtun@kipt.kharkov.ua

Pylypenko N.N. - Doctor of technical sciences, Co-Chairman

Phone: +380-57-335-65-87

Fax: +380-57-335-17-39

E-mail: mpylypenko@kipt.kharkov.ua

Scientific Secretary

Shcherban` A.P. – Ph.D.

Phone: +380-57-335-69-05

E-mail: shcherban@kipt.kharkov.ua

### PROGRAM COMMITTEE

Burhanov G.S. - Corr. Memb. Russian Academy of Sciences  
(Moscow, Russia)

Ivasishin O.M. - Acad. National Academy of Sciences of  
Ukraine (Kiev, Ukraine)

Kovtun G.P. - Dr., Prof. (Kharkov, Ukraine)

Lavrynenko S.D. - Dr. (Kharkov, Ukraine)

Ladokhin S.V. - Dr., Prof. (Kiev, Ukraine)

Oksanych A.P. - Dr., Prof. (Kremenchug, Ukraine)

Oshkaderov S.P.- Corr. National Academy of Sciences of  
Ukraine (Kiev, Ukraine)

Pylypenko N.N. - Dr. (Kharkov, Ukraine)

Klepikov V.F. - Corresponding Member of NAS of Ukraine  
(Kharkov, Ukraine)

Fedirko V.N.- Corresponding Member of NAS of Ukraine  
(Lviv, Ukraine)

Churbanov M.F. - Acad. Russian Academy of Sciences (Nizhny  
Novgorod, Russia)

Shapovalov V.A. - Dr., Prof. (Kiev, Ukraine)

Belous V.A. - Dr. (Kharkov, Ukraine)

Strel'nitskiy V.E - Dr. (Kharkov, Ukraine)

Litovchenko S.V. - Ph.D. (Kharkov, Ukraine)

Semenov G.R – Ph.D. (Kiev, Ukraine)

### TOPICS OF CONFERENCE

- Methods of deep purification;
- Production of high-pure metals and alloys;
- High-pure semiconductors in electronics, optoelectronics;
- High-pure metals and alloys in nuclear and thermonuclear power engineering;
- High-pure metals and their isotopes;
- Physical and nuclear physics methods of elemental analysis of impurities in the high purity metals and alloys
- Structure and physical properties of high-pure metals and alloys;
- Physics of radiative and ion-plasma technologies;

The subjects within framework of the Conference may be expanded.

## APPLICATION FOR PARTICIPATION

in International Conference "High-Purity Materials: Preparation, Application, Properties" performed by e-mail with stating: title, surname, name and patronymic of speaker/participant, academic degree, academic rank, position, full name, business address, phone number (with code), e-mail.

Brief outline reports (reports theses), up to 1 page, are made out in accordance with an instructions and sent to the Organizing Committee in electronic form as well as 1 hard copy with attachment of the Act of Expert Examination for publication possibility in the press. After sending you should get a confirmation from us about receiving your report theses.

The full reports by the choice Editorial Group of the Organizing Committee will be recommended for publication in the journal "Problems of Atomic Science and Technology" (PAST).

Conference languages: Ukrainian, Russian and English.

### WARNING:

Brief outline reports (theses) should be submitted before 1 August 2015. Theses submitted late or incorrectly designed, will not be accepted.

Basic information on the conference can be found at: <http://www.kipt.kharkov.ua/ru/conf.html>

## REGISTRATION FEE AND ACCOMODATION

Registration fee is approximately equivalent to \$ 50 according to the exchange rate at the time of payment, and it includes: a cultural program; costs associated with the work of the authors of custom reports; publication of reports; the work of transport; providing "folder participant" and coffee breaks.

The accommodation of participants is planned in the hotel "Kharkiv" (with delivery of participants by bus) and in other hotels of Kharkov.

## COMMON INFORMATION

### WELCOME TO KHARKOV AND NSC KIPT

Kharkov is the centre of historical and geographical Ukrainian region which was called "Sloboda". The organizer of the Conference is National Science Center "Kharkov Institute of Physics and Technology" (formerly UPTI) was established in 1928 in order to develop topical scientific fields (at that time - nuclear physics and solid state physics), and it is the largest centre of physical science in Ukraine.

At present in the Institute of Solid State Physics, Materials Science and Technology – the largest structural unit of NSC KIPT – the following research areas are developed: production and investigation of high-purity metals, beryllium physics, physics of zirconium and its alloys, physics of radiation phenomena and radiation materials science; low-temperature physics, physics of strength, vacuum materials science and metallurgy, vacuum plasma and ion-plasma technologies, development of carbon-graphite materials.

Highly skilled specialists, disciples of scientific schools of the known experimental physicists such as B.G.Lazarev, V.E.Ivanov, R.I.Garber, V.F.Zelensky, I.M.Neklyudov, G.F.Tihinsky, VM Azhazha, successfully engaged in science not only in Ukraine but also in many countries around the world.



Participants Second International Conference "High-Purity Materials: Preparation, Application, Properties", 17-20 September 2013, Kharkov.

## RULES FORMAT OF REPORTS THESES

### TITLE

**Author A.V., Author V.G.**

*Organization, city, country, E-mail*

Materials of Theses with volume of 1 full page A4 should be typed in Word for Windows (Word2000 or Word2003) (not 2007, not 2010, not 2013!), Times New Roman font size 12, for formulas - Symbol or built-in Word equation editor, interval 1, red line 1 cm, width adjustment. Hyphenation is allowed. Title printed in capital letters in bold. Figures should be inserted in the text. References are listed at the end of the Theses.

Parameters of page - top, bottom, right of 25 mm, and the left - 35 mm. Submitted text materials will not be edited; please pay attention to the correctness of their form.

The text of the reports, typed in accordance with the above rules, should be sent by e-mail and 1hard copy with attachment of the act of expert examination for publication possibility in the press.

### Organizing Committee:

**Institute of Solid State Physics, Materials Science and Technology NSC KIPT NAS of Ukraine  
1, Akademicheskaya str., Kharkov, 61108, Ukraine  
Organizing Committee of the Conference "High-Purity Materials"**

**Scientific Secretary: A.P. Shcherban'**

Phone: +380-57-335-69-05

Fax: +380-57-335-17-39

E-mail: shcherban@kipt.kharkov.ua