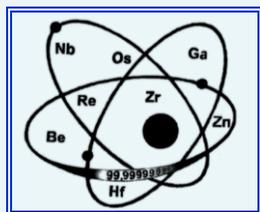


National Academy of Sciences of Ukraine
Department of Nuclear Physics and Energy
National Science Center "Kharkov Institute of
Physics and Technology",
Karazin Kharkov National University

INTERNATIONAL CONFERENCE
«HIGH-PURITY MATERIALS:
PRODUCTION, APPLICATION,
PROPERTIES»

Dedicated to memory of Academician of NASU
V.M. Azhazha

10-13 September 2019, Kharkov, Ukraine



IMPORTANT DATES

*The deadline for applying for participation in the conference and the names of the reports
until May 15, 2019

*Submission of abstracts - **until August 1, 2019**

*Distribution of the conference program
until September 1, 2019

*Arrival of the conference participants
September 10, 2019

PROGRAM COMMITTEE

Voyevodin V.M. - corresponding member of NASU (Kharkiv, Ukraine)
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Litovchenko S.V. - Dr. (Kharkiv, Ukraine)
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Tolmachev O.V. - Dr., Prof. (Kiev, Ukraine)
Fedirko V.M.- corresponding member of NASU (Lviv, Ukraine)
Churbanov M.F. - Acad. Russian Academy of Sciences (Nizhny Novgorod, Russia)
Shapovalov V.A. - Dr., Prof. (Kiev, Ukraine)

Conference languages

The main working languages of the conference are Ukrainian, English, Russian.

ORGANIZING COMMITTEE

Voyevodin V.M. - Doctor of Physical and Mathematical Sciences, corresponding member of NASU, professor, Chairman
Azarenkov M.O.- Academician of NAS of Ukraine, V.N.Karazin National Univ., Kharkiv, Co-Chairman

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TOPICS OF CONFERENCE

- Methods of fine cleaning;
- Production of high-purity metals and alloys;
- High-purity semiconducting materials in electronics, optoelectronics;
- High-purity metals and alloys in nuclear and fusion power engineering;
- High-purity metals and their isotopes;
- Physical and nuclear physical methods of elemental analysis of impurities in metals and alloys of high purity;
- Features of the structure and physical properties of metals and high-purity alloys;
- Physics of radioactive and ion-plasma technologies. It is possible to expand the subjects in the framework of the conference problems.

Dear colleagues!

We invite you to participate in the V International Conference: «High purity materials: Production, application, properties», dedicated to memory of Academician of NAS of Ukraine V.M. Azhazha.

The experience of the conference showed its urgency and demand among the general public of scientists, whom the conference provides an opportunity to get acquainted with new achievements in the field of high-purity metals and alloys production, the development and improvement of methods of refining metals, the methods of elemental analysis of impurities in high purity metals and alloys, the influence of radiative and plasma irradiation and high temperatures to changing the properties of materials, as well as to share thoughts and experiences with colleagues.

Since the late sixties of the last century, the All-USSR Conferences on high pure Metals was held regularly at the KIPT, which allowed to establish the close links between scientists working in the field of high-purity metal physics at the Institutes of the Academy of Sciences, at the higher educational institutions, research and industrial centers. The permanent organizer of these conferences was an outstanding scientist, Academician of the National Academy of Sciences of Ukraine, Vladimir Mikhailovich Azhazha. He belonged to a generation of scientists whose scientific life coincides with the period of the formation and development of nuclear power engineering in the Soviet Union. Scientists of this generation are characterized by universalism, a deep and clear understanding of physical concepts, the strive for an organic connection of theoretical and experimental research. These human traits were vividly and with talent manifested in V.M. Azhazha - an experimental physicist, a subtle teacher, a striking organizer, the memory of whom the conference is dedicated.

Application for participation

in the International Conference "High-purity materials: production, application, properties" is carried out by e-

mail indicating: the name of the report, the surname, name and patronymic of the reporter / participant, academic degree, academic rank, position, full name of the organization, phone (with code-specified), E-mail address.

Abstracts of up to 1 page size are prepared in accordance with the requirements and sent to the address of the Organizing Committee in electronic form and on paper in 1 copy with the annex of the certificate of examination about the possibility of open publication of these abstracts. After receiving your abstracts, the Organizing Committee of the Conference will notify you by e-mail.

The full texts of the reports by choice of the Drafting Group of the Organizing Committee will be recommended for publication in the journal "Problems of Atomic Science and Technology" (NSC KIPT of the National Academy of Sciences of Ukraine, Kharkiv), which is included in the science-based bases, in particular Scopus, and in the list of scientific professional editions of Ukraine.

The correspondence participation in the conference (publication of the report in the collection of conference materials) is possible.

Attention: Abstracts should be submitted to the Organizing Committee by August 1, 2019. Abstracts submitted late or not conforming to the requirements will not be accepted.

The main information about the conference is on the site: <http://www.kipt.kharkov.ua/ru/conf.html>

Registration fees and accommodation

Payment of the registration fee for participation in the conference is carried out in UAH. Estimated registration fee - equivalent to \$ 15 at the rate at the time of payment. The amount of the organization fee includes: participation in the events of the conference; organizational and technical support of events; publication of reports; the work of transport; provision of conference materials; holding coffee breaks.

Accommodation of participants is planned at the hotel "Kharkiv" and at other hotels in the Kharkiv city.

Requirements for registration of conference materials

The abstracts should be in one full page of A4 format. Fields: 35 mm left, the remaining 25 mm, font: Times New Roman.

Abstract name: font size 14 pt, bold, no indents, central location. The name is typed in capital letters; the dot is not put at the end.

Authors and the name of the organization: Under the title of the article it should indicated the initials and names of the authors and the full name of the organization, city, country, e-mail address, fax, phone. Font size is 12 pt, bold italic, no indents, central location.

Abstract text: Font size 10 pt., usual style, width arrangement.

Line spacing: single.

Indent (new line): 0.5 cm. Hyphenation allowed.

Formulas: Microsoft Equation 3.0 format.

Figures in the text should be fine and inserted into the text, or submitted as separate files in TIFF or JPG format.

List of references – obligatory; it is submitted at the end of the theses.

The Organizing Committee reserves the right:

- making editorial corrections to the theses of reports;
- refusal to accept materials in cases of non-compliance with the requirements for registration and conference theme, availability of borrowings from previously published materials, incorrect citation of the works of other authors;
- refusal to accept materials after August 1, 2019.

Address of the Organizing Committee:

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