

Frantsevich Ukrainian Materials Research Society
National Academy of Sciences of Ukraine
Frantsevich Institute for Problems of Materials Science
Ministry of Education and Science of Ukraine
National Technical University of Ukraine
“Igor Sikorsky Kyiv Polytechnic Institute”



**7TH INTERNATIONAL SAMSONOV
CONFERENCE
“MATERIALS SCIENCE OF REFRACTORY
COMPOUNDS” (MSRC)**

May 25-28, 2021
Kyiv, Ukraine

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CONFERENCE SYMPOSIA

- Symposium A. The electronic structure and properties of refractory compounds;**
- Symposium B. Synthesis of refractory compounds, chemical properties, phase diagrams;**
- Symposium C. Low-dimensional nanostructures of refractory compounds;**
- Symposium D. Films and coatings based on refractory compounds;**
- Symposium E. Ceramics and composites based on refractory compounds.**

Key Speakers:

- Symposium A. Dr. Khizhun Oleg, Institute for Problems of Materials Science, NAS of Ukraine
- Symposium B. Dr. Bondar Anatolii / Dr. Bulanova Maryna, Prof. Sergiy Firstov, Institute for Problems in Materials Science, NAS of Ukraine
- Symposium C. Prof. Yury Gogotsi, Drexel University, PA, USA
- Symposium D. Prof. Oleksandr Pogrebnjak, Sumy State University, Ukraine
- Symposium E. Prof. Olivier Guillon, Juelich Research Center, Germany

GENERAL INFORMATION



Samsonov G.V.

Frantsevich Ukrainian Materials Research Society (UMRS), Frantsevich Institute for Problems of Materials Science (IPMS) and National Technical University «Igor Sikorsky Kyiv Polytechnic Institute» (KPI) regularly, every two years, organize a conference on materials science of refractory compounds and materials. The conference bears the name of an outstanding scientist Grigoryi V. Samsonov, one of the founders of materials science of advanced refractory carbides, nitrides, borides, silicides etc. Over 400 refractory compounds were synthesized and extensively characterized under his supervision and described in 36 books. Out of this knowledge, industrial technologies of these compounds were developed and commercialized.

Refractory materials operate under extreme conditions such as high temperatures and pressures, aggressive chemical and radiation media and are widely used in many industrial fields. Recently, 1D and 2D unusual forms of refractory compounds have been discovered and attract significant scientific interest. The conference will focus on discussion of the advances in fundamental understanding and application of refractory materials.

CONFERENCE LOCATION AND SCHEDULE

VII International Samsonov Conference "Materials Science of Refractory Compounds" (MSRC) (Kyiv, Ukraine) will be held simultaneously with the VIII International Scientific and Practical Conference "Theoretical and Experimental Research in Modern Technologies of Materials Science and Mechanical Engineering" (Lutsk, Ukraine). The interaction between the Conferences will be provided using online communications. Therefore, participants will have an opportunity to present their reports at both conferences at the same time via online or offline participation with broadcasting to the parallel event. It is possible to submit abstracts for two conferences and thus participate in both of them.

The conference's off-line venues will be announced after March 15, 2021.

The conference language is English. Abstracts will be published in a Book of abstracts.

The conference fee is **400 UAH**. A 50% discount is available for the members of UMRS. Conference account for wire transfer will be open after March 15, 2021.

IMPORTANT DEADLINES

The abstract submission deadline is **March 15, 2021**. You can submit an abstract or an updated version, if you submitted your abstract for the initially planned event last year and it needs some updates, by email (elena.krisuk@gmail.com) or the [web page](https://bit.ly/3ty6NEh) <https://bit.ly/3ty6NEh>.

Conference fee payment: after the abstract confirmation, but before **April 15, 2021**.

BRIEFLY ABOUT KYIV

We invite you to Kyiv, one of the most beautiful and ancient cities in Europe, with its numerous famous sights and attractions. Among them are the St. Sophia Cathedral, Kyiv-Pechersk Lavra, Golden Gates, numerous orthodox monasteries, many picturesque parks, the Dnipro river, the Khreshchatyk street and the Independence Square, the Opera House, Universities and other places of interest.

As a rule, May in Kyiv is the most beautiful season, sunny and warm. The city is immersed in clouds of blossoming chestnut trees.

Kyiv is connected to other cities of the world with numerous railway and air lines. The way from the airport Boryspil to downtown Kyiv takes less than an hour. The new comfortable railway station is connected with the center of the city by metro, buses and trolleybuses. [Visa for citizens of the USA, Canada, Japan, or European Union countries is not required.](#)

YOU ARE WELCOME TO BLOSSOMING HOSPITABLE KYIV!

CONFERENCE EXECUTIVE COMMITTEE

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Materials Science

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GUIDANCE FOR ABSTRACT PREPARATION

TITLE

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Abstracts should be prepared in English using “Microsoft Word” and not exceed one page (format A4, 29.7cm´21 cm).

The first line is the title of the paper (capital letters, bold font 14 pt, over the width of two columns). The next line is blank, followed by the line with the names of the authors (last name and initials, bold font 12 pt). The name of the speaker should be underlined. The following lines contain information on each organization separately: full name, post address, email.

The next line just before the text is blank.

The two-column text should be typed with font 11 pt using single line spacing. Use font «Times New Roman» for all textual information.

Margins: top, 3 cm; bottom, right and left, 2 cm; inter column spacing 1 cm.

The text may include figures and tables.

References are placed below the text and numbered according to their placement in the text in square brackets.

Additional authors' information should be presented as a separate file in the form:

INFORMATION ON THE ATTENDEE

Abstract title						
Conference symposium						
Presentation type	Oral		Poster		Plenary	
1 st participant; 2 nd participant, etc.						
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Affiliation						
Position						
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Fax						
E-mail (necessarily)						