

**International Scientific Conference**  
**“NEW MATERIALS AND HELIOTECHNOLOGIES”**

dedicated to the 30th anniversary of the founding of the Institute of Materials Science of Academy  
of Sciences of the Republic of Uzbekistan  
Parkent, Uzbekistan, May 15-16, 2023

**The First Information Letter**

Dear colleagues,

Institute of Materials Science of the Academy of Sciences of the Republic of Uzbekistan organizes the International Scientific Conference “New Materials and Heliotechnologies”, which will be held on May 15-16, 2023 in Parkent (Uzbekistan). Scientists, engineers and technologists as well as interested postgraduates and students, whose scientific and industrial activities relate to modern materials science, are invited to participate in the work of the International Scientific Conference.

The purpose of the Conference is to analyze, discuss and develop R&D recommendations on the invention, improvement, use of new materials, heliotechnologies and renewable energy sources.

The Conference program includes scientific problems related to the development of multifunctional materials with desired properties, breakthrough technologies for manufacturing products from these materials, state-of-the-art materials and technologies for hydrogen energy and renewable energy sources.

**Thematic sections of the Conference:**

1. Renewable energy sources. Low-carbon technologies.
2. Composite materials and coatings. Multifunctional materials with desired properties.
3. Materials and technologies for hydrogen energy.

**The main objectives of the Conference are:**

- analysis of world trends in the development of materials science and heliotechnologies, activities to improve the level, quality and efficiency of scientific research and widespread practical use of their results;
- discussion of problems of efficient use of solar energy and low-carbon technologies;
- exchange information and experiences on the development of research in the field of manufacture of materials and technologies for hydrogen energy;
- development of international cooperation in the field of new materials and heliotechnology inventions;
- development of recommendations for the use of new materials and heliotechnologies.

**Venue:**

Settlement “Sun”, Parkent district of Tashkent region, Republic of Uzbekistan. Unique scientific object “Big Solar Furnace”.

## GENERAL INFORMATION

**Conference language:** Uzbek, Russian, English.

The scientific program of the Conference provides for the publication of scientific reports and materials of the participants' works, assessment of the results of research activities by the leading scientists, as well as by the participants of the Conference.

### **Deadlines for submission and consideration of applications**

1. Applications for participation in the Conference and abstracts must be submitted with the mark **“Conference”** to e-mail: [info@imssolar.uz](mailto:info@imssolar.uz), until April 14, 2023.
2. Consideration of applications: 5 working days.
3. Invitations to the declared participants will be sent until May 1, 2023.

### **Requirements for the materials provided for the Conference**

1. The Conference accepts scientific reports and articles written individually or in co-authorship in the relevant areas of the Conference.
2. The volume of published materials should not exceed 2 pages of typewritten text (font: Times New Roman, font size: 14), including figures and tables, line spacing of 1.2).
3. Each applicant may submit to the Conference no more than one article for each section or direction.
4. The set of documents submitted to the Organizing Committee includes:
  - an application completed in accordance with [Annex 1](#);
  - the text of the scientific report in electronic form in accordance with [Annex 2](#);
  - a copy of the protocol of the Scientific Council on the recommendation of the submitted research paper for participation in the Conference (for local participants).

If the applicants do not have the Scientific Council, abstracts are submitted to the organizing committee for review.

5. An international expert council of the Conference will be formed under the organizing committee to review the submitted reports with the involvement of foreign experts.
6. Papers written in Uzbek, Russian and English are allowed to participate in the Conference.
7. The Organizing Committee has the right not to accept scientific reports and articles that do not meet the requirements for participation in the Conference and the applicant will be notified within five days from the date of submission of the material.

We would like to inform you that the **Conference handbook of the materials** will be published and uploaded on the webpage of the Institute of Materials Science in [www.imssolar.uz](http://www.imssolar.uz). Also, during the Conference, extended versions of the best 8-10 articles selected by the expert committee will be recommended for publication in the Scientific Journal “Computational nanotechnology” in accordance with the requirements of the journal ([www.urvak.ru](http://www.urvak.ru)). DOIs are assigned to published works.

For reference: the scientific peer-reviewed journal “Computational nanotechnology” (Russia) is the Information partner of the Conference.

**Registration fee**

The organizing fee for participation in the conference for foreign participants is 200 US dollars, for local participants 300,000 soums. This price includes transfer (Tashkent-Parkent-Tashkent), lunch, publication of conference materials.

The Organizing Committee will pay the expenses of invited foreign participants related to transportation in Uzbekistan and hotel accommodation (4 days and 3 nights).

**REGISTRATION FORM****International Scientific Conference****“NEW MATERIALS AND HELIOTECHNOLOGIES”**

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First name	
Last name	
Organization	
Country	
E-mail	
Phone number	
Position	
Plenary lecture 20 min	
- Presentation	
- Video presentation	
- Zoom presentation	
Invited lecture 15 min	
- Presentation	
- Video presentation	
- Zoom presentation	
Oral presentation 10 min (including discussion)	
- Presentation	
- Video presentation	
- Zoom presentation	

**TITLE (TIMES NEW ROMAN, 14PT)**First Author<sup>a</sup>, Second Author<sup>b</sup>, Third Author<sup>b</sup><sup>a</sup>*Institute, Tashkent, Uzbekistan*<sup>b</sup>*Institute, Grenoble, France*[Author@mail.com](mailto:Author@mail.com)

The abstract should be written in **English or Russian or Uzbek** on **two A4 page** and contain a brief, clear statement of conclusion. All abbreviations must be defined in the text.

This example shows the layout required for abstracts. Use 1.2 spacing throughout, and leave 2.5 cm margins of the sheet. Please use the “**Times New Roman**” font (**14 pt**).

The title, authors, affiliations and addresses should be centered. Use **bold** capital letters in the title. Underline the name of the presenting author. Leave **one** space between the title and authors and between authors and addresses. Leave one spaces between the addresses and the text. The affiliation should include the institution and country in this sequence.

The text itself should be justified.

Figures can be included, but they must fit into the total printing area.

References are written as in this model [1], using “**Times New Roman**” font (**12 pt**).

Leave **one** space between the text and references. Add at the end of the abstract, after the references, the *Acknowledgements* using the “**Times New Roman**” font (**12 pt**).

[1] A. First, B. Second and C. Third, *Abbreviated Journal Name*, **2013**, *12*, 345-350.

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