

**National Academy of Sciences of Ukraine  
Ministry of Education and Science of Ukraine  
Institute for Scintillation Materials NASU  
O. Ya. Usikov Institute of Radio Physics and Electronics of the NASU  
Kharkiv National University of Radio Electronics  
V. N. Karazin Kharkiv National University  
Odesa I.I. Mechnikov National University  
Ukrainian Physical Society**

**XI INTERNATIONAL  
SCIENTIFIC CONFERENCE  
"Functional Basis of Nanoelectronics"**

**October 19 - October 23, 2020, Odesa, Ukraine**

**DEAR COLLEAGUES!**

We invite you to take part in the work of the XI International Scientific Conference "Functional Basis of Nanoelectronics", which will be held in Odesa from October 19 to October 23, 2020.

Participation in the conference will be interesting to scientists, experts, graduate students, specialists of enterprises of all forms of ownership, educational institutions, academic institutions of Ukraine and abroad.

**SCIENTIFIC DIRECTIONS OF THE CONFERENCE:**

- Physics and Theory of Nanostructures for Electronics;
- Electrodynamics and nanoelectronics of the THz range;
- Metamaterials and their application of the THz and GHz nanoelectronics ranges;
- Methods of formation, diagnosis, and research of nanostructures and nano-objects including biological;
- Mathematical modeling in nanoelectronics;
- Nanoelectronic sensors and information systems. Nanoelectronic sensors for bio-engineering;
- Magnetic nano- and meta-structures of the GHz and THz electronics;
- MEMS and NEMS in electronics;
- Nanophotonics. Processes, structures, and devices;
- Nonlinear processes in artificial media/metamaterials and devices based on them.

**IMPORTANT DATES:**

Submission of application and materials for publication	31.08.2020
Material acceptance notice	15.09.2020
Registration online	until 30.09.2020
Registration day	19.10.2020
Opening of the conference	20.10.2020

**REGISTRATION FEE:**

The registration fee includes the publication of the program and the collection of scientific papers of the conference, as well as the costs associated with covering the costs of organizing and holding the conference, including expenses for advertising, communications, coffee breaks, etc.

Decisions on the acceptance by the Organizing Committee of the reports after their review, financial conditions, and bank details for the transfer of funds will be sent to you by September 15, 2020, in the second information letter.

**FOR PARTICIPATION IN THE WORK OF THE CONFERENCE IT IS NECESSARY TO PROVIDE:**

- Application (Annex 1);
- Send (e-mail: [fbn.conference@gmail.com](mailto:fbn.conference@gmail.com)) the electronic version of the report in English (3-5 pages, maximum 6 authors), designed following the requirements for the publication of the report and the attached template (Annex 2).

**ORGANIZING COMMITTEE  
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**E-mail:** [fbn.conference@gmail.com](mailto:fbn.conference@gmail.com)  
**Web-site:**  
[fbn-conference.isma.kharkov.ua](http://fbn-conference.isma.kharkov.ua)

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