

**Proceedings of the
XIX INTERNATIONAL SCIENTIFIC CONFERENCE
ELECTRONICS AND APPLIED PHYSICS
APHYS 2023**

**October, 17-21, 2023,
Kyiv, Ukraine**

**Taras Shevchenko National University of Kyiv
Faculty of RadioPhysics, Electronics and Computer Systems**

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General information

Date	October, 17-21, 2023
Location for mails	Taras Shevchenko National University of Kyiv Volodymyrska Str. 64/13, 01601 Kyiv – Ukraine
Physical location	Faculty of RadioPhysics, Electronics and Computer Systems, Taras Shevchenko National University of Kyiv, Prospect Glushkova, 4g, Kyiv 03022, Ukraine
Organization	Taras Shevchenko National University of Kyiv, Faculty of RadioPhysics, Electronics and Computer Systems

Scientific program

The Conference contributions are accepted from the following areas:

1. Laser Physics and Optoelectronics
2. Surface Physics, Nano- and Microelectronics
3. Physics of Semiconductors and Dielectrics, Semiconductor Devices
4. Physics of Magnetism
5. Computer Technologies
6. Mathematical Problems of Applied Physics
7. Medical Physics
8. Plasma Physics
9. Radio Engineering and Communications
10. Polarimetry: Theory and Applications

Conference site

All events associated with the XIX International Scientific Conference Electronics and Applied Physics will take place in on-line regime in 2023.

Time

Local time is one hour ahead of Middle European time.

Conference language

The language of the Conference Proceedings is English.

Presentation

The Conference program includes invited lectures and contributed papers. All reports will be lectured in oral presentation.

Invited talks: 45 minutes (including discussion)

Other talks: 15 minutes (including discussion)

Edited by O. Mokhonko, Dr. O. Nechyporuk.

PREFACE

The XIX INTERNATIONAL SCIENTIFIC CONFERENCE ELECTRONICS AND APPLIED PHYSICS (APHYS 2023) will be held October, 17-21, 2023, in the capital of Ukraine Kyiv. The famous scientific and cultural center of Europe welcomes over 75 delegates from different Universities and Scientific Centers of 5 countries of Europe, America and Asia.

The intend of APHYS 2023 is to provide a forum where novel and relevant achievements in Applied Physics (RadioPhysics and Electronics) could be discussed, to bring together young scientists of different disciplines and foster their cooperation, to stimulate international research in the field of Applied Physics, development, fabrication and application of new physical ideas in the corresponding devices. It is too important now for Ukraine as a member of Bologna Process and as well as of European Community.

The APHYS 2023 is organized by Faculty of RadioPhysics, Electronics and Computer Systems of Taras Shevchenko National University of Kyiv.

The Conference technical program is divided into nine sessions; three invited lectures and more than 50 oral contributions will be presented, discussed and argued.

We believe the APHYS 2023 will give a chance for students, postgraduate students, young professors and scientists to discuss their problems and give an impulse for the development of future research and success.

We hope the delegates will enjoy the meeting. We hope also the participants and accompanying guests will enjoy visits to local places interests.

The next INTERNATIONAL SCIENTIFIC CONFERENCE ELECTRONICS AND APPLIED PHYSICS will be held in Kyiv, from October 22 to 25, 2024.

Dr. A. Netreba,
Chairman of the Organizing Committee

Dr. O. Nechyporuk,
Vice-Chairman of the Organizing Committee

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