

**Proceedings of the
XX INTERNATIONAL SCIENTIFIC CONFERENCE
ELECTRONICS AND APPLIED PHYSICS**

APHYS 2024

**October, 22-25, 2024,
Kyiv, Ukraine**

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

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General information

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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:

Laser Physics and Optoelectronics

Surface Physics, Nano- and Microelectronics

Physics of Semiconductors and Dielectrics, Semiconductor Devices

Physics of Magnetism

Computer Technologies

Mathematical Problems of Applied Physics

Medical Physics

Plasma Physics

Radio Engineering and Communications

Polarimetry: Theory and Applications

Conference site

All events associated with the XX INTERNATIONAL SCIENTIFIC CONFERENCE ELECTRONICS AND APPLIED PHYSICS will take place in on-line regime in 2024.

Time

Local time is one hour ahead of Middle European time – EEST (UTC+3).

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: 40 minutes (including discussion)

Other talks: 20 minutes (including discussion)

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PREFACE

The XX INTERNATIONAL SCIENTIFIC CONFERENCE ELECTRONICS AND APPLIED PHYSICS (APHYS'2024) will be held October, 22-25, 2024, in the capital of Ukraine Kyiv. The famous scientific and cultural center of Europe welcomes over 140 delegates from different Universities and Scientific Centers of European, American and Asian countries. This conference is dedicated to the memory of professor Naum Davydovych Morgulis (1904 - 1976), founder and head of the Kyiv Scientific School of Physical Electronics.

The goal of APHYS'2024 is to create a forum for discussing recent and relevant achievements in applied physics (radiophysics and electronics), bringing together scientists from various fields of physics, fostering collaboration, and encouraging international research in applied physics. Physics, development, manufacturing, and application of new physical ideas in relevant devices are particularly important for Ukraine as a member of the European community.

The APHYS'2024 is organized by Faculty of Radiophysics, Electronics and Computer Systems of Taras Shevchenko National University of Kyiv.

The Conference technical program is divided into ten sessions; three invited lectures and more than 120 oral contributions will be presented, discussed and argued.

We believe that APHYS'2024 will provide an opportunity for researchers, postgraduates and students to discuss their problems and provide and inspire the development of future research and success.

We hope the delegates will enjoy the meeting.

The next XXI INTERNATIONAL SCIENTIFIC CONFERENCE ELECTRONICS AND APPLIED PHYSICS (APHYS'2025) will be held in Kyiv, in October, 2025.

We will be glad to see you next year.

Sincerely yours,
Chairman of organizing committee of APHYS 2024

Dr. A. Netreba

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