

From **May 22 to 23, 2024**, Lviv Polytechnic National University will host the International Conference on Advanced Trends in Radioelectronics and Telecommunications (ATRTR'24) dedicated to the 85th anniversary of the Department of Theoretical Radio Engineering and Radio Measurements.

The aim of the conference is to exchange research results and up-to-date information in the field of radio electronics and telecommunications.

The conference will be held in a mixed format: at Lviv Polytechnic National University and via videoconference.

Academics, scientists, specialists, postgraduates, and students are invited to participate in the conference.

CONFERENCE ORGANIZERS

Lviv Polytechnic National University

TOPICS (SECTIONS)

1. Theory of signals and electronic circuits. Radio measurements. Metrology.
2. Modeling in radio electronics and telecommunications. Design of electronic and telecommunication systems and networks.
3. Models, algorithms, software and hardware of information and communication and electronic devices.
4. Radio electronic systems. Antennas, microwave technology and electromagnetic compatibility. Avionics. Biomedical engineering.
5. Telecommunication systems and networks. Wired and wireless systems, network services, management, operation.
6. Electronics, photonics and semiconductor electronics.
7. Information systems and technologies. Automated control systems. Robotics.
8. Security of information and communication systems.

PROGRAM COMMITTEE

Chairman:

Yu. Bobalo – Rector of Lviv Polytechnic National University

Deputy Chairman:

B. Strykhalyuk (LPNU, Lviv)

Committee members:

Z. Bluvband (ALD, Tel Aviv, Israel)

A. Bondariiev (LPNU, Lviv)

B. Volochiy (LPNU, Lviv)

S. Voloshynovskiy (University of Geneva, Switzerland)

R. Goliaka (LPNU, Lviv)

N. Hots (LPNU, Lviv)

O. Hoholyuk (LPNU, Lviv)

I. Demydov (LPNU, Lviv)

M. Dyvak (WUNU, Ternopil)

A. Druzhinin (LPNU, Lviv)

F. Dubrovka (NTU KPI, Kyiv)

S. Zhuk (NTU KPI, Kyiv)

M. Ilchenko (NTU KPI, Kyiv)

V. Kychak (VNTU, Vinnytsia)

M. Klymash (LPNU, Lviv)

O. Kokhanov (OPNU, Odesa)

O. Lemeshko (KhNURE, Kharkiv)

V. Lytvyn (LPNU, Lviv)

I. Lisovuy (SUITT, Odesa)

J. Matuszewski (MUT, Warsaw, Poland)

V. Mosorov (LUT, Lodz, Poland)

V. Oborzhytskyy (LPNU, Lviv)

L. Ozirkovskyy (LPNU, Lviv)

O. Osadchuk (VNTU, Vinnytsia)

Yu. Romanyshyn (LPNU, Lviv)

B. Rusyn (PMI, Lviv)

V. Teslyuk (LPNU, Lviv)

L. Uryvsky (NTU KPI, Kyiv)

G. Shilo (ZNU, Zaporizhzhia)

I. Yaremchuk (LPNU, Lviv)

Y. Yashchyshyn (WUT, Warsaw, Poland)

ORGANIZING COMMITTEE

Chairman:

I. Horbatiy, prof., head Department of Theoretical Radio Engineering and Radio Measurements, Lviv Polytechnic National University

Deputy Chairman:

M. Kiselychnyk (LPNU, Lviv)

Secretary:

I. Maksymiv (LPNU, Lviv)

Committee members:

S. Altunin (LPNU, Lviv)

M. Zmysnyi (LPNU, Lviv)

A. Kuzyk (LPNU, Lviv)

N. Kuzyk (LPNU, Lviv)

S. Nichkalo (LPNU, Lviv)

Y. Pyrih (LPNU, Lviv)

V. Fast (LPNU, Lviv)

O. Shkiliuk (LPNU, Lviv)

LOCATION:

Lviv Polytechnic National University, 12 S. Bandera St., Lviv, 79013

ADDRESS OF THE ORGANIZING COMMITTEE

Department of Theoretical Radio Engineering and Radio Measurements, Lviv Polytechnic National University, Professorska St., 2, Lviv, 79013
Secretary of the conference - Ivan Maksymiv.
Tel.: +38(032)2582156, +380985864516
e-mail: atrt@lpnu.ua

CONFERENCE LANGUAGES:

Languages of the conference: **Ukrainian, English.**

CONFERENCE PROCEEDINGS

A prerequisite for the publication of conference proceedings is the author's presentation. Conference proceedings recommended by the Organizing Committee, after independent review, will be published in electronic form before the conference on its website.

ORGANIZATIONAL FEE

The conference is free of organizational fees.

Accommodation and meals are paid by the participants of the conference on their own. If you need to book a hotel at Lviv Polytechnic, the participant should notify the organizing committee no later than 10.05.2024.

PARTICIPANT APPLICATION

To apply for participation, you should:

1. Visit the conference website <https://science.lpnu.ua/atrt-2024>.
2. Register new user and set the access password.
3. Register an application for participation in the conference and upload a file with abstracts.

IMPORTANT DATES

- **Submission of applications and full text of the report materials – by May 17, 2024.**
- **Confirmation of the Organizing Committee on the acceptance of the report and its inclusion in the conference program - until May 18, 2024.**
- **Opening of the conference and plenary session – May 22, 2024, NULP Assembly Hall, main building**
11:00 a.m. to 5:00 p.m.,
a break from 1:15 p.m. to 2:00 p.m.
Electronic link for online participation:
<https://meet.google.com/mbd-bdfj-zho>
- **Sessions of sections 1-4 – May 23, 2024, NULP Assembly Hall, main building**
from 9:30 a.m. to 5:30 p.m.,
a break from 1:15 p.m. to 2:00 p.m.
Electronic link for online participation:
<https://meet.google.com/pvy-efdc-ixx>
- **Sessions of Sections 5-8 – May 23, 2024, room 226 main building**
from 9:30 a.m. to 5:30 p.m.,
a break from 1:15 p.m. to 2:00 p.m.
Electronic link for online participation:
<https://meet.google.com/kxg-ciqj-gxs>

REQUIREMENTS FOR THE PREPARATION OF PAPERS FOR PUBLICATION

1. Abstracts in Ukrainian or English are accepted.
2. Abstracts should be 2-4 full pages of A5 text and typed in Microsoft Word (font - Times New Roman, size - 11, style - normal, line spacing - 1.2).
3. The size of the margins: left - 1.5 cm, right - 1.5 cm, top - 1.5 cm, bottom - 1.5 cm.
4. The name of the file with the abstracts should contain information about the section number and correspond to the name of the first author, for example 2_Koval.docx.
5. In the upper right corner (normal font, without slant and underlining):
 - Last name and initials of the authors;
 - Academic degree and academic title (abbreviated);
 - E-mail address;
 - Name of the organization (abbreviated).
6. The title of the report is printed in capital letters, bold, without slope and underlining, in the center of the page, without hyphens, separated from the text by one free line at the top and bottom.

EXAMPLE OF ABSTRACTS FORMATTING:

Koval A.D., Dr. of Tech. Sc., Prof.
Biletskyi M.S., PhD. of Tech. Sc, Associate Prof.
andrii.d.koval@lpnu.ua
maksym.s.biletskyi@lpnu.ua
Lviv Polytechnic National University

MODEL OF COMMUNICATION FACILITIES WITH GROUND ROBOTIC COMPLEXES

The text of the thesis (introduction, content, conclusions and proposals).

MINISTRY OF EDUCATION AND SCIENCE
OF UKRAINE

LVIV POLYTECHNIC
NATIONAL UNIVERSITY



INTERNATIONAL CONFERENCE ON
ADVANCED TRENDS IN
RADIOELECTRONICS AND
TELECOMMUNICATIONS (ATRT'24)

Information announcement

Lviv
May 22 - 23, 2024