



Ministry of Education and Science of Ukraine
National University «Zaporizhzhia Polytechnic» (Ukraine)
Ivchenko-Progress SE (Ukraine)
Motor Sich JSC (Ukraine)
Georgian Technical University (Georgia)
AGH University of Science and Technology (Poland)

***All-Ukrainian scientific and technical conference of students,
postgraduates and young scientists with international
participation***

**«Youth in aviation: new solutions and promising
technologies»**

Is dedicated to

*the 125-th anniversary of the National University
"Zaporizhzhia Polytechnic"*

95-th anniversary of the Mechanical Engineering Faculty

*20-th anniversary of the Aviation Engine Technology Department
the 80-th anniversary of the IVCHENKO-PROGRESS SE*



**November 21-22, 2024
Zaporizhzhia,
National University «Zaporizhzhia Polytechnic»**

DEAR COLLEAGUES!

We invite you to take part in the work of the **All-Ukrainian scientific and technical conference of students, postgraduates and young scientists with international participation "Youth in aviation: new solutions and promising technologies"**, Zaporizhzhia, National University «Zaporizhzhia Polytechnic», **November 21-22, 2024**.

Participation in the conference is an important step for master students, postgraduate students and young scientists, contributing to their scientific and educational development, knowledge expansion and the opportunity to share their research and ideas with the international community, as well as the approval of PhD dissertations.

THEME OF THE CONFERENCE

1. **Construction and strength** (design, strength and reliability of aircraft, aviation GTE and gas turbine units for ground use; general issues of aviation and helicopter production)
2. **Production and repair technology** (production and repair technology of aviation equipment; automation of production processes; quality management, metrology; product life cycle support)
3. **Materials for aviation production** (the latest materials in aviation technology; technologies for obtaining materials; chemical and chemical-thermal processing)
4. **Production support and organization of** (information technology; organization of production; economy, management and finance; education and the future of industry)

WORKING LANGUAGES – UKRAINIAN, ENGLISH

CONFERENCE FORMAT – MIXED (in face-to-face format and online conference mode)

REQUIREMENTS FOR PARTICIPATION IN THE CONFERENCE

By November 10, 2024, send abstracts of reports to e-mail kafedra.tad@gmail.com.

Fill out the application form in the Google form here: [Application](#)

The volume of theses of reports: 1 or 2 completely filled pages.

The template for the formatting and design of abstracts of reports is given at the link: [Template thesis](#)

Materials sent to the organizing committee after **November 10, 2024**, or materials that do not meet the design requirements, will not be considered.

Those who wish have the opportunity to publish their articles in the professional publication «New materials and technologies in metallurgy and mechanical engineering»

Registration requirements and conditions of publication:
<http://nmt.zntu.edu.ua/information/authors>

Each participant will be given certificates for participation in the conference

PROGRAM COMMITTEE

BALUSHOK Kostyantyn	Candidate of technical sciences, MOTOR SICH JSC, Zaporizhzhia
BANDURA Andrii	Doctor of Physical and Mathematical Sciences, Professor, Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk
BARZ Cristian	PhD, Full Professor Eng., TU of ClujNapoca, North University Center of Baia Mare, Romania
BEMBENEK Michał	D.Sc.Tech., Professor, AGH USTK, Poland
WÓJCICKA-MIGASIUK Dorota	Dr hab. inż., Professor, Politechnika Lubelska, Poland
GAJDZIK Bożena	Dr hab. inż., Professor PS, Silesian University of Technology, Poland
HOTRA Oleksandra	Dr hab. inż., Professor, Politechnika Lubelska, Poland
GRESHTA Viktor	Candidate of technical sciences, professor, National University «Zaporizhzhia Polytechnic», Zaporizhzhia
ZUKAKISHVILI Ramil	Doctor of Technical Sciences, Professor, Head of Aviation Engineering Program, Georgian Technical University, Tbilisi, Georgia
KATRENKO Mykhailo	Doctor of Technical Sciences, Associate Professor, Oles Honchar Dnipro National University, Dnipro
KACHAN Oleksii	Doctor of Technical Sciences, Professor, National University «Zaporizhzhia Polytechnic», Zaporizhzhia
KONDRATYUK Eduard	Candidate of technical sciences, IVCHENKO-PROGRESS SE, Zaporizhzhia
KOROBKO Ivan	Doctor of technical sciences, Professor, NN Institute of Aerospace Technologies, NTUU «Igor Sikorsky Kyiv Polytechnic Institute», Kyiv
KOTSYUBA Viktor	Candidate of technical sciences, MOTOR SICH JSC, Zaporizhzhia
KRAVCHENKO Ihor	Corresponding Member of the National Academy of Sciences of Ukraine, Doctor of technical sciences, IVCHENKO-PROGRESS SE, Zaporizhzhia
MACHNIK Ryszard	D.Sc.Tech., Professor, AGH USTK, Poland
MITIKOV Yurii	Doctor of technical sciences, Professor, Oles Honchar Dnipro National University, Dnipro
NIKIFOROV Oleksii	MOTOR SICH Joint Stock Company, Zaporizhzhia
OSTAPOVETS Andrii	Doctor of Philosophy, Institute of Materials Physics, Academy of Sciences of the Czech Republic, Czech Republic
PAVLENKO Dmytro	Doctor of technical sciences, professor, National University «Zaporizhzhia Polytechnic», Zaporizhzhia
PASICHNYK Vitalii	Doctor of technical sciences, National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute», Kyiv
PASHECHKO Mykhaylo	Dr hab. inż., Professor, Politechnika Lubelska, Poland
PODOBNYY Oleksandr	IVCHENKO-PROGRESS SE, Zaporizhzhia
PRYSYAZHNYUK Pavlo	Candidate of technical sciences, docent, Professor, Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk

ROPYAK Liubomyr

STRILETSKYI Yurii

TITOV Viaheslav

TORBA Yuriy

TURMANIDZE Raul

SHALOMEEV Vadim

Candidate of technical sciences, docent, Professor, Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk

Doctor of technical sciences, professor, Ivano-Frankivsk National Technical University of Oil and Gas, Ivano-Frankivsk

Doctor of technical sciences, professor, National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute», Kyiv

Candidate of technical sciences, IVCHENKO-PROGRESS SE, Zaporizhzhia

Doctor of Technical Sciences, Professor, Georgian Technical University, Tbilisi, Georgia

Doctor of technical sciences, professor, National University «Zaporizhzhia Polytechnic» Zaporizhzhia

ORGANIZING COMMITTEE

Head of the organizing committee

Doctor of technical Sciences, Professor, head of the Aircraft Engine Technology Department, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

Responsible secretary

Candidate of technical sciences, associate professor of the Aircraft Engine Technology Department, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

Working group

Head of Student Research Department, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

Gembel Viktoria

Head of the educational laboratory of the Aircraft Engine Technology Department, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

DANKO Kostiantyn

Candidate of technical sciences, IVCHENKO-PROGRESS SE, Zaporizhzhia

LAZARIEVA Olha

senior lecturer of the Aircraft Engine Technology Department, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

MIZIN Anastasiia

Head of the Image Center, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

NALYVAIKO Oleg

Head of the Youth Affairs Department, MOTOR SICH Joint Stock Company, Zaporizhzhia

SAVCHUK Nataliia

Head of the Editorial and Publishing Department, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

SAKHNIUK Nataliia

Candidate of technical sciences, Associate professor, Aviation Company of the Joint Stock Company "MOTOR SICH", Zaporizhzhia

TRYSHYN Pavlo

Doctor of Philosophy, Senior Lecturer of the Mechanical Engineering Technology Department, National University «Zaporizhzhia Polytechnic», Zaporizhzhia

CONTACTS

Tel.: +38(097)929-27-29  Viber,  WhatsApp,  Telegram,

e-mail: kafedra.tad@gmail.com – responsible conference secretary: Olha BABENKO

Address of the organizing committee: National University «Zaporizhzhia Polytechnic», Department of Aircraft Engine Technology, St. Zhukovsky, 64, Zaporizhzhia, 69063, Ukraine.