

Ministry of Education and Science of Ukraine,
National Academy of Higher Education of Ukraine,
Donbass State Engineering Academy (DSEA),
Vinnytsia National Technical University (Ukraine),
Apeiron University in Banja Luka, (Bosnia and Herzegovina),
Mechanical Engineering Faculty in Slavonski Brod, JJ Strossmayer
University of Osijek (Croatia),
University of Montenegro Faculty of Mechanical Engineering,
Zhejiang Normal University, College of Engineering,
Key Laboratory of Urban Rail Transit Intelligent Operation and
Maintenance Technology & Equipment of Zhejiang Province, Jinhua,
(China),
Ternopil National Technical University named after Ivan Puluy
(Ukraine),
Vinnytsia National Agrarian University (Ukraine),
Department of Innovative Technologies and Management
DSEA(Ukraine),
Student Society Technology Engineering DSEA(Ukraine),
Small Academy of Sciences for Scientific and Industrial Profile (Ukraine)



INFORMATION

International Youth Scientific and Technical Conference

"Young science - robotics and nano-technology of modern mechanical engineering"

April 10-12, 2024
using Internet platforms.

Kramatorsk-Vinnitsa-Ternopol, Ukraine

Dear colleagues!

The Organizing Committee invites you to take part in the International Youth Scientific and Technical Conference **"Young science - robotics and nano-technology of modern mechanical engineering"**.

The conference will take place from **April 10-12, 2024**, in both online and offline modes, with the preparation and provision of a collection of scientific works of the conference, based at the Donbas State Machine-Building Academy and the Vinnytsia National Technical University (Ukraine) utilizing Internet platforms.

The purpose of the conference is to develop science, exchange ideas, and scientific-technical information about research conducted by young scientists, students, and junior researchers.

The main themes of the conference:

- *Innovative technological processes, expansion of technological capabilities of technological equipment;*
- *Computerized support for technological preparation of production;*
- *Robotics and artificial intelligence in modern machine building;*
- *Energy-saving processes in forming machine parts;*
- *Nano-technologies in forming working layers of machine parts;*
- *Dual education for learners;*
- *International internships and collaboration of young scientists;*
- *Development of youth creativity in branches of the Small Academy of Sciences with a scientific-industrial profile.*

To participate in the conference, it is necessary to send an application for participation in the conference and materials for publication in the conference proceedings in electronic form by March 31, 2024 to the following address: kovalevskii61@gmail.com.

Conference languages: Ukrainian, English or other approvals by the Committee.

Program Committee:

- Dašić Predrag** - Hon.D.Sc., Prof., Academy of Professional Studies Šumadija -- Department in Trstenik (Serbia);
- Jenek Mariusz** - Dr. inz (Polska, Uniwersitet Zielonogorski);
- Marušić Vlatko** - Dr.Sc., Prof., J.J. Strossmayer University of Osijek, Mechanical Engineering Faculty in Slavonski Brod (Croatia);
- Sandra Poirier** - Doctor of Education, CFCS, LD/N Professor (Middle Tennessee State University, USA);
- Guida Domenico** - Dr.Sc., Prof., University of Salerno, Department of Industrial Engineering (DIIn), Fisciano (Italy);
- Karabegović Isak** - Dr.Sc., Prof., Academy of Sciences and Arts of Bosnia and Herzegovina, Sarajevo (Bosnia and Herzegovina)
- Mirjanić Dragoljub** - Dr.Sc., Prof., Academy of Sciences and Arts of the Republika Srpska (ANURS), Banja Luka (Republic of Srpska - Bosnia and Herzegovina)
- Nedeff Valentin** - Dr.Sc., Prof., University of Bacău, Faculty of Engineering, Bacău (Romania)
- Pele Alexandru-Viorel**, dean - Dr.Sc., Prof., University of Oradea, Faculty of Management and Technological Engineering, Oradea (Romania)
- Zhelezarov S. Iliya**, rector - Dr.Sc., Prof., Technical University of Gabrovo, Gabrovo (Bulgaria)
- Hryn O.H.** - Ph.D., Associate Professor (DSEA, Kramatorsk, Ukraine);
- Zaloha V.O.** - D.Sc., Professor (SumDU, Sumy, Ukraine);
- Kiyanovsky M.V.** - D.Sc., Professor (KNTU, Kryvyi Rih, Ukraine);
- Klymenko S.A.** - D.Sc., Professor (ISM NASU, Kyiv, Ukraine);
- Kovalevska O.S.** - Ph.D., Associate Professor (DSEA, Kramatorsk, Ukraine);
- Kovalevskyy S.V.** - D.Sc., Professor (DSEA, Kramatorsk, Ukraine);
- Kovalov V.D.** - D.Sc., Professor (DSEA, Kramatorsk, Ukraine);
- Kozlov L.G.** - D.Sc., Professor (VNTU, Vinnytsia, Ukraine);
- Kolosov D.L.** - D.Sc., Professor («Dnipro Polytechnic», Dnipro, Ukraine);
- Korzhov Ye.O.** - Ph.D. in Economics, Head of the Bureau of Strategic Development of PJSC "NKMZ" (Kramatorsk, Ukraine);
- Mazur M.P.** - D.Sc., Professor (KhNU, Khmelnytskyi, Ukraine);
- Makarenko N.O.** - D.Sc., Professor (DSEA, Kramatorsk, Ukraine);
- Markov O.Ye.** - D.Sc., Professor (DSEA, Kramatorsk, Ukraine);
- Marchuk V.I.** - D.Sc., Professor (LNTU, Lutsk, Ukraine);
- Novikov F.V.** - D.Sc., Professor (KhNEU, Kharkiv, Ukraine);
- Orhiyan O.A.** - D.Sc., Professor (ONPU, Odesa, Ukraine);
- Petrakov Yu.V.** - D.Sc., Professor (NTUU "KPI" named after Igor Sikorsky, Kyiv, Ukraine);
- Petrov O.V.** - Ph.D., Associate Professor (VNTU, Vinnytsia, Ukraine);
- Sapon S.P.** - Ph.D., Associate Professor (ChNTU, Chernihiv, Ukraine);
- Sukhorukov S.I.** - Ph.D., Associate Professor (VNTU, Vinnytsia, Ukraine).

**MAIN REQUIREMENTS FOR SUBMISSION AND
FORMATTING OF ARTICLES:**

- Submission deadline:** Articles must be submitted to the Organizing Committee no later than March 31, 2024.
- Publication format:** Articles will be published in an electronic collection, which will be distributed to participants at the specified email addresses. There is also a limited print edition available by additional agreement.
- Length of the article:** Up to 7 full pages.
- Formatting:**
 - Page size: A4 format (210 × 297 mm).
 - Margins: top, bottom, right - 20 mm, left - 30 mm.
 - Do not number the pages!
 - Page orientation: portrait. Landscape orientation can be used for tables and graphics.
 - Font: Times New Roman Cyr, 14 pt (regular) for the main text; Times New Roman Cyr, 12 pt (italic) for abstracts and references. Single line spacing.
- Illustrative material and formulas:**
 - Illustrations should be inserted directly into the text.
 - Formulas should be typed in Microsoft Equation, aligned to the width of the page. Formulas should be numbered on the right.
- First page layout:**
 - UDC (Universal Decimal Classification) in the first line.
 - Author(s) surname and initials, academic advisor, country, city, organization name.
 - Title of the article in uppercase letters.
 - Abstract (5-7 lines) in the languages of the conference.
- Structure of the article:**
 - Statement of the problem and its connection with scientific and practical works.
 - Analysis of the latest research and publications.
 - Formulation of unresolved parts of the general problem.
 - Objectives of the article and formulation of the problem.
 - Presentation of the main material of the research.
 - Conclusions and prospects for further research.
 - List of references according to DSTU 8302:2015 <http://lib pu.if.ua/files/dstu-8302-2015.pdf>.
- Free publication:** Participants are not required to pay for the publication of their articles.

Organizing Committee:

- Sergiy Kovalevskyy** - Doctor of Technical Sciences, professor Head of the Department of Innovative Technologies and Management, DSEA - Chairman of the organizing committee. e-mail: kovalevskii61@gmail.com,
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- Leonid Kozlov** - Doctor of Technical Sciences, Professor, Head of the Department of Technologies and Automation of Machine Building, VNTU - Co-Chairman of the Organizing Committee; Email: osna2030@gmail.com,
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- Olena Kovalevska** - Ph.D., associate professor of the Department of Pressure Metal Processing, DSEA - a member of the organizing committee, e-mail: tiup@dgma.donetsk.ua,
- Serhiy Onishchuk** - Ph.D., associate professor Department of Innovative Technologies and Management, DSEA - a member of the organizing committee, e-mail: tiup@dgma.donetsk.ua,
- Vladimir Tulupov** - Ph.D., assistant professor Department of Innovative Technologies and Management, DSEA - a member of the organizing committee, e-mail: tiup@dgma.donetsk.ua,
- Serhiy Repinsky** - Ph.D., associate professor of the Department of Technologies and Automation of Machine Building, VNTU - a member of the organizing committee, e-mail: repinskyisv@gmail.com

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84313

Vinnitsia National Technical University,
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Vinnitsia State,
21000

Application

**for the International Youth Scientific and Technical
Conference " Young science - robotics and nano-
technology of modern mechanical engineering "**

April 10-12, 2024

First name, Last name	
Organization	
For universities:	
Faculty	
Specialty	
Course (for students)	
Address speaker (for correspondence)	
E-mail:	
Tel:	
Article title	
Research supervisor (for students)	

**(The application for participation is filled
out in the table above)**