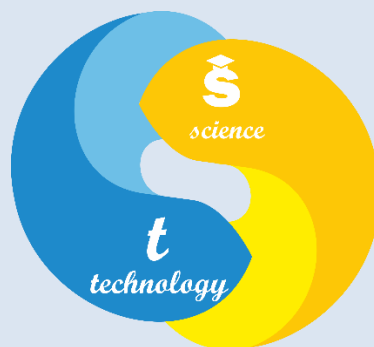


MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
UKRAINIAN STATE UNIVERSITY OF SCIENCE AND
TECHNOLOGIES



PROGRAMME

**The Ninth International Scientific Multidisciplinary Conference of
Students and Beginner Scientists**

**«Modern Technologies: Improving the Present
and Impacting the Future»**

November 20, 2025 (Dnipro, Ukraine)

Dnipro

2025

НАУКОВИЙ КОМІТЕТ КОНФЕРЕНЦІЇ:

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PROGRAMME

The Ninth International Scientific Multidisciplinary Conference of Students and Beginner Scientists «Modern Technologies: Improving the Present and Impacting the Future»

9.00 – 10.00	Registration of the participants of the Conference
10.00 – 10.30	Opening Ceremony
10.30 – 12.30	Plenary Session
12.30 – 13.00	Break
13.00 – 15.00	Working Session
15.00 – 15.30	Conclusion Session

Time-limit for one presentation – 10 min

PROGRAMME:

Prof. K. M. Sukhyi, Acting Rector of Ukrainian State University of Science and Technologies

Prof. A. V. Radkevich, Provost of Ukrainian State University of Science and Technologies

Prof. M. I. Kapitsa, Director of Educational and Scientific Institute “Dnipro Institute of Infrastructure and Transport”

Ass. Prof. R. V. Rybalka, Assistant Director of Educational and Scientific Institute “Dnipro Institute of Infrastructure and Transport”

PLENARY SESSION

Maria Odarenko

Constantine the Philosopher University in Nitra, Slovakia

THE STRATEGIC NECESSITY OF DIVERSITY AND INCLUSION

B. Brant

Universität Rhein-Waal, Kleve, Deutschland

DIE EINFÜHRUNG KÜNSTLICHER INTELLIGENZ

O. Lesjuk

Technische Universität Wien, Österreich

INNOVATIVE NEUHEITEN IM BEREICH DER BAUTECHNOLOGIEN

Yevheniia Zalozna

University of Chemistry and Technology, Prague

The Czech Republic

ECONOMIC AND CULTURAL IMPACT OF TOURISM

Carlos Alfredo <i>Universidade de São Paulo, Brazil</i> STATE AND DEVELOPMENT OF THE BRAZILIAN DIGITAL INFORMATION SOCIETY TODAY
Hermela Samuel <i>Gondar University, Ethiopia</i> DIGITAL FOUNDATIONS FOR ECONOMIC ETHIOPIAN GROWTH
William Antonio <i>Universidade Técnica de Angola</i> DIGITAL TRANSFORMATION OF ANGOLA'S ECONOMY
WORKING SESSION SECTION 1. TRANSPORT TECHNOLOGIES AND EQUIPMENT
Bohdan Gruba & Anton Andryuschenko <i>Ukrainian State University of Science and Technologies (Dnipro)</i> MODERN CHALLENGES OF THE MILITARY LOGISTICS FORCES
Kobzar D.O. <i>Dnipro University of Technology</i> ANALYSIS OF METHODS FOR SURVEYING PASSENGER FLOWS ON URBAN BUS ROUTES
Kravets K.V. <i>Dnipro University of Technology</i> BLOCKCHAIN IN LOGISTICS: ENHANCING TRANSPARENCY AND EFFICIENCY AMID CHALLENGES
Kucher O.L. <i>Dnipro University of Technology</i> KEY TECHNOLOGICAL FEATURES OF MODERN WAREHOUSES
Matveev O.A. <i>Dnipro University of Technology</i> TECHNOLOGICAL EFFECT OF IMPLEMENTING COMBINED TRAFFIC MODES ON URBAN BUS ROUTES
Miasoied K.O. <i>Dnipro University of Technology</i> A SYSTEMIC APPROACH TO REPLACING ROLLING STOCK IN URBAN PASSENGER TRANSPORT TO ENSURE THE SUSTAINABLE DEVELOPMENT OF THE URBAN TRANSPORT SYSTEM
Neklesa A.V. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> OPTIMIZING DELIVERY ROUTES IN AUTOMOTIVE LOGISTICS USING MODERN DIGITAL TOOLS
Osypenko S.Yu., Stetsenko V.I. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> RAILWAY TRACK FACILITIES IN UKRAINE AND WITHIN THE MILITARY STRUCTURE OF THE STATE SPECIAL TRANSPORT

SERVICE
Senher O.V. <i>Dnipro University of Technology</i> INTEGRATED STRATEGIES FOR IMPROVING THE EFFICIENCY OF BUS TRANSPORT IN URBAN TRANSPORT SYSTEMS
Sushko S.V. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> THE MAIN PROBLEMS OF RAIL TRANSPORT IN THE USA
Suszek S.V. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> GŁÓWNE PROBLEMY POLSKIEJ INFRASTRUKTURY KOLEJOWEJ
Sydorenko Ye.O. <i>Dnipro University of Technology</i> COMPREHENSIVE APPROACHES TO TRANSPORT ORGANIZATION FOR ENHANCING LOGISTICS EFFICIENCY AND COMPETITIVENESS
Voit B.Ye. <i>Dnipro University of Technology</i> ENHANCING EFFICIENCY IN INTERNATIONAL TRANSPORTATION OF DELICATE FLORAL PRODUCTS: A COMPREHENSIVE LOGISTICS APPROACH
Zagorovska A.S <i>Ukrainian State University of Science and Technologies (Dnipro)</i> NEXT GENERATION CONTAINERS IN GLOBAL LOGISTICS
Zhukovska K. O. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> MODERN TRANSPORT TECHNOLOGIES AND EQUIPMENT IN ROAD TRANSPORT MANAGEMENT
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Nedilko K. S. <i>Institute of Special Communications and Information Protection, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”</i> MODERN MODULAR MULTI-LAYER SHELTERS
Novoselskyi Ya.B. <i>Dmytro Motornyi Tavria State Agrotechnological University</i> CAR TURBOCHARGER REPAIR AS A SMALL BUSINESS IN DNIPRO
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Bolshakova A.E. <i>Dmytro Motornyi Tavria State Agrotechnological University</i> EFFICIENCY OF REMOTE AND HYBRID WORK MODELS IN UKRAINE
Budyak Y.H. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> MODERN TRENDS IN THE DEVELOPMENT OF THE HOTEL AND RESTAURANT BUSINESS IN UKRAINE
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Semeniuk A. V.

Dmytro Motornyi Tavria State Agrotechnological University

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Skliar S.P.

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Symonenko D.O.

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Vorobyov Yuriy

Ukrainian State University of Science and Technologies (Dnipro)

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Yarmak K.

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Yevtushenko V. S.

Dmytro Motornyi Tavria State Agrotechnological University

MAIN FUNCTIONS OF THE NATIONAL BANK OF UKRAINE

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Petro Barsuk

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Bieliaieva A.O.

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EXAMINING THE CHALLENGES IN AI'S FUTURE DEVELOPMENT

Botvynko K.Y.

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National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

ATTACKER ENTRY POINTS IN EMAIL PHISHING THREATS

Buriak M. H.

Ukrainian State University of Science and Technologies (Dnipro)

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Chernysh V. O. <i>National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”</i> NUMERICAL ALGORITHM FOR DESIGNING A SPIRAL ANTENNA WITH VARIABLE POLARIZATION
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Negria M.O.

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National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic
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Pavlyuk A. V.

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National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic
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Pavlyuk V. V.

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National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic
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Pher A. K.

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Pirohov D. A.

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**STEGOANALYSIS OF INFORMATION HIDING USING GRAPHIC FILE
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Institute"*

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Trunov Andrii

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Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"*

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Makar Vaskovskiy

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Yarmak V. V. <i>Institute of Special Communications and Information Protection, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”</i> PASSWORD HYGIENE AND THE ROLE OF PASSWORD MANAGERS IN EVERYDAY USE
Yovenko A. P. <i>Institute of Special Communications and Information Protection of the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”</i> ANALYSIS OF METHODS FOR ACCESS AND RESOURCE MANAGEMENT IN ELECTRONIC COMMUNICATION NETWORKS
SECTION 5. ENERGY EFFICIENCY
Alexandrova A. S. <i>National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”</i> HCPV THERMAL RISKS AND THEIR ENGINEERING SOLUTIONS
Golovachova O.O. <i>Dmytro Motornyi Tavria State Agrotechnological University</i> ENERGY EFFICIENCY IN HORTICULTURE AND FRUIT AND VEGETABLE GROWING: MODERN APPROACHES AND RESEARCH RESULTS
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V.M. Khytrychenko <i>Dmytro Motornyi Tavria State Agrotechnological University</i> ENVIRONMENTAL SECURITY IN THE CONDITIONS OF MARTIAL LAW
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Sviridenko S.D. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> ENVIRONMENTAL SAFETY
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Tabakar M. S. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> MODERN TECHNOLOGIES IN CONSTRUCTION: CURRENT ACHIEVEMENTS
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Aleksandrova Ye. D. <i>Ukrainian State University of Science and Technologies (Dnipro)</i> INNOVATIVE LEXIS IN THE IT SPHERE: EMERGING VOCABULARY AND ITS IMPACT
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**MODERNE LÖSUNGEN FÜR DIE INSTANDHALTUNG VON
EISENBAHNEN**

I.Krutous

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KÜNSTLICHE INTELLIGENZ IM BAHNMANAGEMENT