



Ministry of Education and Science of Ukraine
West Ukrainian National University
Faculty of Computer Information Technologies
Department of Information and Computing Systems and Control



Programme

The 1st International Scientific and Practical Conference of Students and Young
Scientists

«ICSPM 2026: Intelligent Computing Systems and Project Management»



May 21-22, 2026
Ternopil, Ukraine

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Technical Sponsors:

Research Institute of Intelligent Computer Systems

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WORK PROGRAM OF THE ICSPM 2026 CONFERENCE

21 May 2026

PLENARY SESSION

Held in a hybrid format:

Room 6101

Zoom: <https://wunu-edu-ua-ternopil.zoom.us/j/8702595814>

ID: [8702595814](https://wunu-edu-ua-ternopil.zoom.us/j/8702595814)

Moderators:

Ihor YAKYMENKO – Dean of the Faculty of Computer Information Technologies

Nataliia DZIUBANOVSKA – Acting Head of the Department of Information and
Computer Systems and Control

9.15 – 9.30	Welcome address – <i>Ihor YAKYMENKO</i> , Dean of the Faculty of Computer Information Technologies
9.30 – 10.00	<i>Carsten Wolff</i> , Dortmund University of Applied Sciences and Arts, Germany
10.00 – 10.25	<i>M. Majid Khan</i> , COMSATS University Islamabad, Pakistan
10.25 – 10.30	<i>Elvin Medjidov</i> , Independent Expert in Customs Relations and International Cooperation Projects, Azerbaijan
10.30 – 10.40	<i>Inna Chaikovska</i> , Professor, Department of Economics, Analytics, Modeling and Information Technologies in Business; Chair of the Student and Young Scientists Research Society, Khmelnytskyi National University
10.40 – 11.15	<i>Dariusz Bober</i> , University of Rzeszów, Grupa Maspex, Poland
11.15 – 11.45	<i>Nelli Ukhova</i> , Dresden University of Technology, CIDS – Center for Interdisciplinary Digital Sciences, Germany
11.45 – 12.00	<i>Ivan Tsegelnyy</i> . Qualimetric Model of Digital Evaluation of Investment Attractiveness of Economic Recovery Projects in Ukraine
12.00 – 12.15	<i>Dmytro Hural, Ruslan Skalii</i> . Operating System Architecture for the Implementation of Intelligent Control of a Solar Power Installation Using a Digital Twin
12.15 – 12.30	<i>Vitalii Leus</i> . Concept of an Intelligent Hardware Control System Based on Gesture Recognition

SECTION SESSIONS

Room 6101

Zoom: <https://wunu-edu-ua-ternopil.zoom.us/j/8702595814>

ID: [8702595814](https://wunu-edu-ua-ternopil.zoom.us/j/8702595814)

Moderators:

Iryna TURCHENKO – Associate Professor, Department of Information Computing Systems and Control, Deputy Dean of the Faculty of Computer Information Technologies

Mykhailo DOMBROVSKYI – Associate Professor, Department of Information Computing Systems and Control

Section: Artificial Intelligence, Data Analysis and Cybernetics

12.45 – 13.00	<i>Hertsii V.V., Turchenko I.V.</i> Analysis of the Impact of Neural Network Architectures on the Accuracy of Automatic Ukrainian Speech Recognition
13.00 – 13.15	<i>Sozanskyi A.B., Vasylykiv N.M.</i> RAG Agent as the Foundation of Software Modules for Relevant Information Retrieval
13.15 – 13.30	<i>Tsynaiko V.P.</i> Software Module for Analysis and Sales Forecasting in a Pharmacy Chain
13.30 – 13.45	<i>Oleksyshyn Ye.</i> Method for Implementing an AI Agent for the Tabletop Role-Playing Games Domain Based on a Combination of RAG and Domain Fine-Tuning
13.45 – 14.00	<i>Dmyterko V.V., Dombrovskiy M.Z.</i> Application for Detecting the Emotional Tone of Text Messages Using Transformer Models

Section: Applied Technologies and Information and Communication Systems

14.00 – 14.15	<i>Hnativ S.V., Vasylykiv N.M.</i> Algorithms for the Operation of an IoT-Based Time Tracking System with Multi-Factor Authentication
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Section: Modern Information Technologies in Economics, Law and Education

14.15 – 14.30	<i>Klymchuk A., Turchenko I.V.</i> Method of Parallel Semantic Processing of Media Resources for Context-Adaptive Generation of Educational Content
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May 22, 2026

ICSPMWS 2026 WORKSHOP

Hybrid format:

Room 11103

Zoom: <https://wunu-edu-ua-ternopil.zoom.us/my/room.11103?omn=81143972888>

Moderators:

Iryna TURCHENKO – Associate Professor, Department of Information Computing Systems and Control, Deputy Dean of the Faculty of Computer Information Technologies

Mykhailo DOMBROVSKYI – Associate Professor, Department of Information Computing Systems and Control

10.00 – 10.05	Welcome address – <i>Mykola Dyvak</i> , Vice-Rector for Scientific Research
10.05 – 10.10	Welcome address – <i>Olha Tsaryk</i> , Director of the International Center for Culture and Development
10.10 - 10.40	<i>Mike Richardson</i> . Infrastructure Obeys Physics: Systems Engineering in the Age of AI
10.40 – 11.00	<i>Kyrylo Voznyi, Bohdan Savenko, Antonina Kashtalian, Viktor Lysak</i> . Game Theory for Cyber Deception Networks: A Conceptual Model for Detection and Attribution
11.00 – 11.20	<i>Zakhar Ostrovskiy, Oleksander Barmak</i> . Sparse Visual Landmarks for Drift Correction in GPS-Denied UAV Navigation
11.20 – 11.40	<i>Oleksandra Bulgakova, Viacheslav Zosimov</i> . Software framework for preliminary expert selection using AI-based profile construction
11.40 – 12.00	<i>Nelli Ukhova, Mykhailo Dombrovskiy, Iryna Turchenko</i> ,. AI-Orchestrated Co-Creation in COIL Integrating Design Thinking and Project-Based Learning
12.00 – 12.20	<i>Bohdan Solovei, Oleksandr Terentyev</i> . Cloud-native architecture of Intelligent information technology to support monorail jib mobile crane operational reliability
12.20 – 12.40	<i>Alina Starchenko</i> . Hierarchical RAG for Personalized Progress Reporting: Design, Evaluation, and Retrieval Strategy Comparison
12.40 – 13.00	<i>Hennadii Dobrovolskyi, Vadym Pasichnyk</i> . Application of Kolmogorov-Arnold Networks to Transportation Network Interdiction Games
13.00 – 13.30	<i>Ruslan Savchyshyn</i> . Industry Talk