



Department of Information Technology and Information Management

PROGRAMME

TECHNOLOGICAL INNOVATIONS AND DIGITAL SECURITY

INTERNATIONAL SCIENTIFIC CONFERENCE

SECOND EDITION

May 14-15, 2026



CHISINAU, REPUBLIC OF MOLDOVA

PROGRAMME

TECHNOLOGICAL INNOVATIONS AND DIGITAL SECURITY

International Scientific Conference | May 14–15, 2026

Academy of Economic Studies of Moldova

Student HUB, Building B | <https://meet.google.com/xqt-xhtf-vkt>

🕒 Presentation: 10 min | Debates: 5 min | Google Meet: <https://meet.google.com/xqt-xhtf-vkt>

CONFERENCE PROGRAMME

THURSDAY, 14 MAY 2026

Student HUB, Building B

09:30 – 10:00

PARTICIPANTS REGISTRATION

OPENING CEREMONY & PLENARY SESSION

Chair: **GUJUMAN LUCIA**, PhD, Assoc. Prof.

▶ **STRATAN ALEXANDRU**

Academician, Dr. Habil., Rector — Academy of Economic Studies of Moldova, Republic of Moldova

▶ **CASIAN ANGELA**

PhD, First Vice-Rector for Education — Academy of Economic Studies of Moldova, Republic of Moldova

▶ **TOACA ZINOVIA**

PhD, Associate Professor, Dean ITES — Academy of Economic Studies of Moldova, Republic of Moldova

▶ **OHRIMENCO SERGHEI**

Dr. Habil., Professor — Academy of Economic Studies of Moldova, Republic of Moldova

Monograph chapter presentation *“The Shadow Digital Economy: Threats and Challenges for the Information Ecosystems”*

▶ **MANASTERSKA TATIANA**

PhD, Professor — University of Kalisz, Poland

▶ **HERȚELIU CLAUDIU**

PhD, Professor — Bucharest University of Economic Studies, Romania

▶ **SHISHMANOV KRASIMIR**

PhD, Professor — D.A.Tsenov Academy of Economics, Svishtov, Bulgaria

▶ **ZAHARIEV ANDREY**

PhD, Professor — University of Insurance and Finance, Bulgaria

Talk: *“PHD 2.0 — New AI Challenges, New Rules, New Actions”*

▶ **POIATA ANATOL**

ACTECH, Republic of Moldova

Talk: *“AI Autonomous Agents in the Enterprise: Opportunities, Security Risks, and Governance Strategies”*

▶ **POPESCU (MATEI) ELENA**

Senior Agile Project Manager — Endava

Talk: *“Responsible Technology Development”*

▶ **GRISCIUC-BUCICA SVETLANA**

PhD, "Grisciuc-Bucica Svetlana" Lawyer's Office — Free International University of Moldova

Talk: *“AI as a Tool, Not an Inventor: The DABUS Case and the Legal Limits of Autonomous Invention”*

10:00 – 12:00

12:00 – 13:00	LUNCH BREAK
13:00 – 17:30	THEMATIC SECTIONS <i>Activities in all sections according to the Conference Programme</i>
FRIDAY, 15 MAY 2026	
10:00 – 12:00	THEMATIC SECTIONS – online (https://meet.google.com/xqt-xhtf-vkt) <i>International Scientific Conference sessions according to Conference Programme</i>
12:00 – 12:30	CLOSING CEREMONY

CONFERENCE SECTIONS

I	Artificial Intelligence, Data Science and Computational Intelligence
II	Digital Transformation, Interdisciplinary Applications and Societal Impact
III	Emerging Digital Technologies and Intelligent Infrastructures
IV	Digital Security, Cybersecurity and Resilient Information Systems

SECTION I

Artificial Intelligence, Data Science and Computational Intelligence

Chair: **TOACA Zinovia** | PhD, Associate Professor, Academy of Economic Studies of Moldova
Room 411, Bldg. B | <https://meet.google.com/nss-qwqh-kjb>

BLOCKCHAIN TECHNOLOGY IN CONSTRUCTION DOCUMENTATION MANAGEMENT AND PREVENTION OF DOCUMENT FORGERY

VATAMANIȚA Mariana, "Constantin Stere" University of European Political and Economic Science, Faculty of Law, Republic of Moldova

INTEGRATING ARTIFICIAL INTELLIGENCE TOOLS IN THE VOCATIONAL TRAINING OF IT TECHNICAL SUPPORT OPERATORS: OPPORTUNITIES AND CHALLENGES

COSTIN Ion, Vocational School from Soroca, Republic of Moldova
LOZAN Victoria, Academy of Economic Studies of Moldova, Republic of Moldova

FROM PREDICTIVE TO GENERATIVE: A COMPUTATIONAL FRAMEWORK FOR MITIGATING INFORMATION ASYMMETRY IN DIGITAL MARKETPLACES

VASILEVA Steliana, D. A. Tsenov Academy of Economics – Svishtov, Bulgaria

AI HALLUCINATIONS: EXAMPLES, ALGORITHMS OF OCCURRENCE AND COUNTERACTION

BALINA Irina, Academy of Economic Studies of Moldova, Republic of Moldova

DYNAMIC PRICING IN AIRLINES: EFFICIENCY GAINS VS CONSUMER FAIRNESS IN THE MACHINE LEARNING ERA

BARACTARI Anatolie, Academy of Economic Studies of Moldova
BARACTARI Anatolie, MAIB, Republic of Moldova

THE ETHICAL ASPECTS OF USING ARTIFICIAL INTELLIGENCE IN EDUCATION

CROITOR Mihail, BRAGARU Tudor, Moldova State University, Republic of Moldova

PROSPECTS FOR USING ARTIFICIAL INTELLIGENCE IN THE TRAINING OF CRIMINAL ANALYSTS

RYZHKOV Eduard, Dnipro State University of Internal Affairs, Ukraine

THE OPTIMAL SIZE OF DATA INCLUDED IN ECONOMIC AND SOCIAL RESEARCH

HIRBU Eduard, Academy of Economic Studies of Moldova, Republic of Moldova

SECTION II

Digital Transformation, Interdisciplinary Applications and Societal Impact

Chair: **CATRUC Adriana** | University Assistant, Academy of Economic Studies of Moldova

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MANAGING CYBER RISKS IN THE ORGANIZATION: APPROACHES AND RECOMMENDATIONS FROM THE POINT OF VIEW OF PUBLIC MANAGEMENT AND PERFORMANCE ACHIEVEMENT

VRABIE Tincuta, Universitatea Dunarea de Jos Galati, Romania

CYBERSECURITY — THE RESPONSIBILITY OF SENIOR MANAGEMENT IN ACHIEVING PERFORMANCE

VRABIE Tincuta, Universitatea Dunarea de Jos Galati, Romania

DATA-DRIVEN DECISION MAKING IN DIGITAL BUSINESSES: TOOLS, LIMITS, AND MANAGERIAL IMPLICATIONS

BUCOS Tatiana, Academy of Economic Studies of Moldova, Republic of Moldova

AI-ASSISTED DATA ANALYSIS: THE BALANCE BETWEEN AUTOMATION, ANALYTICAL CONTROL AND HUMAN DECISION IN THE EXCEL ECOSYSTEM

MORARU Maria, ȚAPCOV Varvara, Academy of Economic Studies of Moldova, Republic of Moldova

STUDENT PERSPECTIVES ON DIGITAL LEARNING FORMATS IN HIGHER EDUCATION: EVIDENCE FROM THE REPUBLIC OF MOLDOVA

ROMANOVA Anastasia, Academy of Economic Studies of Moldova, Republic of Moldova

BETWEEN EFFICIENCY AND FAIRNESS: AN EMPIRICAL STUDY ON AI ADOPTION IN ROMANIAN ORGANIZATIONS

MOGA (AVIRVAREI) Diana, Alexandru Ioan Cuza University, Iași, Romania

SUSTAINABILITY OF FREIGHT TRANSPORT COMPANIES IN THE CONTEXT OF INCOME AND EXPENSE INDICATOR ANALYSIS (BASED ON LOCAL COMPANY DATA)

STOIAN Eugeniu, PORTARESCU Serghei, NEGRU Ion, Academy of Economic Studies of Moldova, Republic of Moldova

CHALLENGES FOR YOUTH POLICIES IN THE DIGITAL ENVIRONMENT USING ARTIFICIAL INTELLIGENCE TOOLS

YANAKIEVA Monika, D. A. Tsenov Academy of Economics, Department of Finance and Credit, Bulgaria

SOME INFORMATIONAL ASPECTS OF DECISION-MAKING IN MONOPOLISTIC PRODUCTION SYSTEMS

BARACTARI Anatolie, GODONOAGA Anatol, Academy of Economic Studies of Moldova, Republic of Moldova

DIGITAL TRANSFORMATION IN TOURISM: LEVERAGING PRACTICAL DIGITAL GUIDES FOR PROMOTING THE REPUBLIC OF MOLDOVA AS A TOURIST DESTINATION

CAPAȚINA Valentina, Academy of Economic Studies of Moldova, Republic of Moldova

ISPIR Irina, BEvent Production, Republic of Moldova

PROCA Adriana, Vector Academy, Republic of Moldova

ANALYSIS OF THE PUBLIC WARNING SYSTEM

PEANCOVSCHII Serghei, Free International University of Moldova, Republic of Moldova

ARTIFICIAL INTELLIGENCE, PRODUCTIVITY GROWTH, AND UNIVERSAL BASIC INCOME: A THEORETICAL DEBATE IN ECONOMIC THOUGHT

CIOBANU Mihail, National Institute for Economic Research, Academy of Economic Studies of Moldova, Republic of Moldova

PROMOTING INNOVATIVE PRODUCTS IN THE AGRICULTURAL BUSINESS ENVIRONMENT AND EDUCATION FOR DIGITALIZATION: AN ANALYSIS OF THE CURRENT CONTEXT AND SOCIO-ECONOMIC IMPACT

MIHĂILĂ Mioara, JIȚĂREANU Andy-Felix, PĂTRAȘCU-SONEA Andromeda, BODESCU Dan, Iași University of Life Sciences "Ion Ionescu de la Brad", Romania

DIGITAL IDENTITY AND AI ETHICS IN ORTHODOX SOCIETY

ABROSIMOV Dmitry, BAZHENOV Sergey, Southern Federal University, Russia

CYBER RESILIENCE STRATEGIES: SPIRITUAL AND SOCIAL ASPECTS

BAZHENOV Sergey, BAZHENOVA Elena, Southern Federal University, Russia

SOCIO-ECONOMIC RISKS ASSOCIATED WITH THE DIGITALIZATION PROCESS IN THE FIELD OF ECOLOGY AND ENVIRONMENT PROTECTION

MĂRGINEANU Elena, Free International University of Moldova, Republic of Moldova

THE AI-DRIVEN TRANSFORMATION OF MEDIA ECOSYSTEMS: IMPLICATIONS FOR INFORMATION TRUST

COLARI Olga, Sofia University "St. Kliment Ohridski", Bulgaria

CORE ITSM CAPABILITIES IN THE RETAIL SPHERE

COLESNICOVA Vlada, Academy of Economic Studies of Moldova, Republic of Moldova

E-COMMERCE AND DIGITAL TRANSFORMATION: RISKS AND SOLUTIONS

TURCAN Aurelia, CRUPITA Irina, Academy of Economic Studies of Moldova, Republic of Moldova

FROM CRISIS TO CATALYSIS: THE IMPACT OF COVID-19 PANDEMIC-DRIVEN DIGITALIZATION ON ECONOMIC OUTCOMES AND ORGANIZATIONAL TRANSFORMATION

MIJA Simion, PĂRȚACHI Ion, Academy of Economic Studies of Moldova, Republic of Moldova
HERȚELIU Claudiu, Bucharest University of Economic Studies, Romania

DIGITAL TECHNOLOGIES AS A TOOL FOR MANAGEMENT AND SERVICE QUALITY IMPROVEMENT IN THE HOTEL AND RESTAURANT BUSINESS

Kharenko Dmytro, Kalaman Olga, Odesa National Economic University, Ukraine

DIGITAL TRANSFORMATION AND WORKFORCE DISPLACEMENT IN MOLDOVA'S IT SECTOR

HÎNCU Veronica, Academy of Economic Studies of Moldova, Republic of Moldova

SECTION III

Emerging Digital Technologies and Intelligent Infrastructures

Chair: **HÎNCU Veronica** | University Assistant, Academy of Economic Studies of Moldova

Room 414, Bldg. B | <https://meet.google.com/pgx-nohf-rxa>

THE EVOLUTION OF WI-FI NETWORKS

ANDRONATIEV Victor, ZGUREANU Aureliu, Academy of Economic Studies of Moldova, Republic of Moldova

EVALUATION OF ELECTRIC VEHICLE CHARGING INFRASTRUCTURE IN A DENSE URBAN ENVIRONMENT: A CASE STUDY OF THE CENTRAL SECTOR, CHIȘINĂU

LOZAN Victoria, Academy of Economic Studies of Moldova, Republic of Moldova
COSTIN Ion, Vocational School from Soroca, Republic of Moldova

DIGITAL MARKETING CHALLENGES

MANASTERSKA Tatiana, University of Kalisz, Poland

TOWARDS SUSTAINABLE SMART HOMES: A MODULAR ARCHITECTURE ENHANCING DEVICE EFFICIENCY, INTEROPERABILITY AND LONGEVITY

CATRUC Adriana, Academy of Economic Studies of Moldova, Republic of Moldova

SECTION IV

Digital Security, Cybersecurity and Resilient Information Systems

Chair: **LOZAN Victoria** | PhD, Associate Professor, Academy of Economic Studies of Moldova

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SECURITY ISSUES OF BANKING DATA MONETIZATION

LUCHIAN Ivan, BRUMA Inesa, Moldova State University, Republic of Moldova

DIGITAL RISK MANAGEMENT IN RELATIONAL AND NON-SQL DATABASES

OPREA Serghei, ZGUREANU Aureliu, Academy of Economic Studies of Moldova, Republic of Moldova

FROM DIGITAL FRAUD TO ILLICIT FINANCE: A SYSTEMIC ANATOMY OF CYBER ENABLED CRIME WITHIN AML FRAMEWORKS

GOLBAN Artur, BC "Victoriabank" SA, Republic of Moldova

FROM THREAT INTELLIGENCE TO ECONOMIC METRICS: LLM-ENABLED CYBER RISK OPS FOR CONTINUOUS SV/ROSI ASSESSMENT

BELINSCHI Ghenadie, DOROGAIA Irina, Academy of Economic Studies of Moldova, Republic of Moldova

ANALYSIS OF THE MAIN THREATS IN THE SPHERE OF CYBERSECURITY

PUGACEVA Oliga, Gomel State University named after Francisk Skorina, Belarus

FROM SECURITY TO EDUCATION: CHOOSING PROGRAMMING LANGUAGES FOR CS1 AND CS2

TOACA Zinovia, GUJUMAN Lucia, Academy of Economic Studies of Moldova, Republic of Moldova

AI IN EDUCATION AND SCIENCE: INFORMATION SECURITY ASPECTS

ZACHOSOVA Nataliia, KUTSENKO Dmytro, Bohdan Khmelnytsky National University of Cherkasy, Ukraine

ADVERSARIAL BY DESIGN: ARTIFICIAL INTELLIGENCE AT THE INTERSECTION OF CYBER ATTACK AND DEFENSE

BRADU Nichita, BRADU Flavius, IU International University of Applied Sciences, Germany

THE EVOLUTION OF RENT-SEEKING LOGIC IN THE CONTEXT OF ECONOMIC DIGITALIZATION

ORLOVA Dinara, Financial University, Russia

SHADOW EMPLOYMENT AS AN INSTITUTIONAL TRAP OF THE LABOR MARKET

PESKOVA Taisiya, Moscow State Institute of International Relations (MGIMO University), Russia

DIGITAL SECURITY CHALLENGES OF GAMIFICATION IN FINANCE

LUCHIAN Ivan, LACHI Cristina, Moldova State University, Republic of Moldova

INFORMATION SECURITY IN DIGITAL AGRO-TOURISM: CHALLENGES ASSOCIATED WITH IOT AND BIG DATA TECHNOLOGIES

CEBAN Svetlana, Academy of Economic Studies of Moldova, Republic of Moldova

SECURITY CHALLENGES IN VIDEO CONFERENCING APPLICATIONS: A CASE STUDY ON MICROSOFT TEAMS

ZGUREANU Aureliu, OPREA Serghei, Academy of Economic Studies of Moldova, Republic of Moldova

THE ECONOMICS OF DIGITAL CRIME: UNDERSTANDING THE CYBERCRIME VALUE CHAINS

NAVAS David, KULAKOV Ivan, Financial University, Russia

THE HUMAN FACTOR IN CYBERSECURITY

STEBNITSKAIA Evelina, KOZLOVA Daria, Financial University, Russia

CYBERSECURITY MANAGEMENT MODELS IN HIGHER EDUCATION INSTITUTIONS ACCORDING TO NIS2 REQUIREMENTS

TAIROV Iskren, SHISHMANOV Krasimir, KUZNETSOV Yuriy, D. A. Tsenov Academy of Economics, Svishtov, Bulgaria

DIDACTIC CONDITIONS FOR STUDYING ELECTRONIC DIGITAL SIGNATURE

BOGDANOVA Violeta, "Ion Creanga" State Pedagogical University, Republic of Moldova

CYBERSECURITY RISK ASSESSMENT: METHODS, CHALLENGES, AND FUTURE DIRECTIONS

TURCAN Aurelia, Academy of Economic Studies of Moldova, Republic of Moldova

CERBU Olga, Moldova State University, Republic of Moldova

METAMORPHOSE OF THE SHADOW DIGITAL ECONOMY

OHRIMENCO Serghei, Academy of Economic Studies of Moldova, Republic of Moldova

ORLOVA Dinara, Financial University, Russia

BELINSCHI Ghenadie, Academy of Economic Studies of Moldova, Republic of Moldova

CHALLENGES OF ARTIFICIAL INTELLIGENCE IMPLEMENTATION IN CYBERSECURITY OF SMES FROM THE REPUBLIC OF MOLDOVA IN THE CONTEXT OF ACCELERATED DIGITALISATION

GUJUMAN Lucia, TOACA Zinovia, Academy of Economic Studies of Moldova, Republic of Moldova

GOGU Emilia, Bucharest University of Economic Studies, Romania

THE USE OF DATA ENCRYPTION WITH THE AES SYSTEM IN VPN NETWORKS

TURCAN Aurelia, Academy of Economic Studies of Moldova, Republic of Moldova

CERBU Olga, Moldova State University, Republic of Moldova

ORGANIZING COMMITTEE — Republic of Moldova / Academy of Economic Studies of Moldova

GUJUMAN Lucia	PhD, Academy of Economic Studies of Moldova, Republic of Moldova
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CEBAN Svetlana	Academy of Economic Studies of Moldova, Republic of Moldova

ORGANIZING COMMITTEE — International Members

IONESCU Bogdan	PhD, Professor, Bucharest University of Economic Studies, Romania
GOGU Emilia	PhD, Bucharest University of Economic Studies, Romania
MACOVEI Anamaria-Geanina	PhD, Stefan cel Mare University of Suceava, Romania
SHISHMANOV Krasimir	PhD, Professor, D.A.Tsenov Academy of Economics, Bulgaria
ZAHARIEV Andrey	PhD, Professor, University of Insurance and Finance, Sofia, Bulgaria
VELEV Dimiter	PhD, Professor, University of National and World Economy, Bulgaria
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MANASTERSKA Tatiana	PhD, Associate Professor, University of Kalisz, Poland
ČEKEREVAC Zoran	Dr. Habil., Professor, Editor-in-chief, MEST Journal, Belgrade, Serbia

SCIENTIFIC COMMITTEE

<u>STRATAN Alexandru</u>	Academician, Dr. Habil., Rector, Academy of Economic Studies of Moldova, Republic of Moldova
<u>COCIUG Victoria</u>	PhD, Vice-Rector for Research and Partnerships, Academy of Economic Studies of Moldova, Republic of Moldova
<u>CASIAN Angela</u>	PhD, First Vice-Rector for Education, Academy of Economic Studies of Moldova, Republic of Moldova
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<u>VELEV Dimiter</u>	PhD, Professor, University of National and World Economy, Bulgaria
<u>ZLATEVA Plamena</u>	PhD, Professor, University of National and World Economy, Bulgaria
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<u>HERȚELIU Claudiu</u>	PhD, Professor, Bucharest University of Economic Studies, Romania
<u>CRISTESCU Marian-Pompiliu</u>	PhD, Professor, Lucian Blaga University, Sibiu, Romania
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<u>TURCAN Aurelia</u>	PhD, Academy of Economic Studies of Moldova, Republic of Moldova
<u>CERNEI Valeriu</u>	Expert, CISA, CRISC, ITIL, Republic of Moldova