



**UNIVERSITY OF NATIONAL AND WORLD ECONOMY**

*The Spirit Makes The Power*

**14<sup>TH</sup> INTERNATIONAL CONFERENCE ON APPLICATION OF  
INFORMATION AND COMMUNICATION TECHNOLOGY AND STATISTICS  
IN ECONOMY AND EDUCATION  
(ICAICTSEE – 2024)**

**December 2 – 3<sup>rd</sup>, 2024**

**University of National and World Economy**

**Sofia, Bulgaria**

**<http://icaictsee.unwe.bg/>**

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**ICAICTSEE-2024**

**CONFERENCE PROGRAM**

**DECEMBER 2<sup>ND</sup>, 2024**

**10:00 AM EEST (UTC+2)**

**Conference Official Opening**

OPENING REMARKS – **PROF. DR. DIMITER VELEV**, ICAICTSEE-2024 CHAIR, UNWE

WELCOME SPEECH – **PROF. DR. SERGHEI OHRIMENKO**, AESM, MOLDOVA

## **DECEMBER 2<sup>ND</sup>, 2024**

### **PANEL 1 - 10:15 – 11:30 AM EEST (UTC + 2)**

**CHAIR:** PROF. DR. SERGHEI OHRIMENKO (AESM)

<b>PAPER</b>	<b>TITLE</b>
FA-01	<b>BUILDING DIGITAL TRUST IN DOCUMENT-CENTRIC SYSTEMS</b> <b>Serghei Ohrimenko<sup>1</sup>, Ghenadie Belinschi<sup>1</sup>, Bradu Nichita<sup>2</sup></b> <sup>1</sup> Information Security Lab., Academy of Economic Studies of Moldova, Chisinau, Moldova <sup>2</sup> IU International University of Applied Sciences Berlin, Germany
FA-02	<b>INDIVIDUAL FORM OF LEARNING A FOREIGN LANGUAGE OF STUDENTS WITHIN THE LANGUAGE CLASS ACTIVITY</b> <b>Svetlana Apachița</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-03	<b>DIGITAL ECONOMY - DEVELOPMENT OPPORTUNITIES FOR COMPANIES IN THE REPUBLIC OF MOLDOVA</b> <b>Diana Ignatiuc, Felicia Petrea</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-04	<b>TECHNOLOGICAL UNEMPLOYMENT IN THE CONTEXT OF STRUCTURAL TRANSFORMATION DETERMINED BY THE DIGITAL ECONOMY</b> <b>Diana Ignatiuc, Oxana Livitchi</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-05	<b>RISKS AND CYBERSECURITY MEASURES FOR ONLINE SAFETY IN HIGHER EDUCATION: CHALLENGES AND PERSPECTIVES</b> <b>Lucia Gujuman, Aurelia Turcan</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-06	<b>THE ROLE OF AI IN SHAPING A NEW ERA OF CYBERSECURITY VULNERABILITY DETECTION</b> <b>Veronica Hîncu</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-07	<b>DIGITAL TRANSFORMATION IN EDUCATION AS A PILLAR OF SUSTAINABLE COMPETITIVENESS</b> <b>Oxana Livitchi, Diana Ignatiuc</b> Academy of Economic Studies of Moldova, Chisinau, Moldova

**PANEL 2 - 11:45 – 13:00 AM EEST (UTC + 2)**

**CHAIR:** PROF. DR. SERGHEI OHRIMENKO (AESM)

<b>PAPER</b>	<b>TITLE</b>
FA-08	<b>PRINCIPLES FOR IMPLEMENTING SOFTWARE SYSTEMS FOR THE EARLY IDENTIFICATION AND PREVENTION OF STUDENT DROPOUT IN THE ONLINE ENVIRONMENT</b> <b>Serghei Portarescu</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-09	<b>IMPORTANCE OF REGENERATIVE AGRICULTURE IN THE REPUBLIC OF MOLDOVA IN THE CONTEXT OF CLIMATE CHANGE</b> <b>Eugeniu Stoian</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-10	<b>IT TOOLS IN ESP PEDAGOGY: CURRENT PRACTICES OF USING VIDEO MATERIALS</b> <b>Anastasia Romanova</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-11	<b>METHODS FOR CONVERTING TEXT INTO A PROTECTED DOCUMENT</b> <b>Ghenadie Belinschi</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-12	<b>THREATS TO NATIONAL SECURITY AND AREAS OF CYBER DEFENSE</b> <b>Liudmyla Rybalchenko</b> University of Customs and Finance, Dnipro, Ukraine
FA-13	<b>PROCESS APPROACH TO RISK MANAGEMENT IN EDUCATIONAL ORGANIZATIONS</b> <b>Liubimir Chiriac, Violeta Bogdanova</b> UPSC, Chisinau, Moldova
FA-14	<b>ARTIFICIAL INTELLIGENCE AND SOCIAL INFLUENCERS: FRAUD SCENARIOS AND COUNTERACTION REALITIE</b> <b>Irina Balina</b> Slavic University in the Republic of Moldova, Moldova

**PANEL 3 - 13:30 – 14:45 AM EEST (UTC + 2)**

**CHAIR:** PROF. DR. SERGHEI OHRIMENKO (AESM)

<b>PAPER</b>	<b>TITLE</b>
FA-15	<b>OPPORTUNITIES AND CHALLENGES OF THE AGILE APPROACH IN MODERN ORGANIZATIONS</b> <b>Anastasia Chirita</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-16	<b>METHODOLOGICAL APPROACHES TO THE APPLICATION OF AI- TRANSCRIBERS' TOOLS IN RESEARCH STUDIES</b> <b>Tatiana Colesnicova, Mihail Ciobanu</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-17	<b>SHAPING THE FUTURE OF INNOVATION MANAGEMENT: THE EVOLUTION FROM INDUSTRY 4.0 TO INDUSTRY 5.0</b> <b>Ala Cotelnic, Irina Dorogaia</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-18	<b>COMPARATIVE ANALYSIS OF LEGISLATIVE SUPPORT FOR THE ORGANIZATION OF A FAMILY BUSINESS</b> <b>Ivan Stamov</b> USEM, Chisinau, Moldova
FA-19	<b>THEORETICAL ASPECTS AND ACCOUNTING PRACTICES OF BALANCE SHEET REFORM</b> <b>Liliana Lazari, Gheorghe Balan</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-20	<b>INDIRECT IMPACT OF INVESTMENTS IN RENEWABLE ENERGY SOURCES ON OTHER SECTORS OF THE ECONOMY</b> <b>Timur Lesan</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-21	<b>DEVELOPMENT DIRECTIONS FOR THE WINEMAKING SECTOR IN THE FRAMEWORK OF SUSTAINABLE DEVELOPMENT</b> <b>Vladislava Conop</b> Academy of Economic Studies of Moldova, Chisinau, Moldova
FA-22	<b>SYSTEM FOR ANALYZING THE ALIGNMENT BETWEEN THE LABOR MARKET AND THE EDUCATIONAL COMPETENCIES</b> <b>Tetiana Filatova, Zoia Sokolovska</b> Odesa Polytechnic National University, Odesa, Ukraine

## **DECEMBER 3<sup>RD</sup>, 2024**

### **PANEL 4 - 10:00 – 12:30 AM EEST (UTC + 2)**

**CHAIR:** ASSOC. PROF. DR. PLAMEN MILEV (UNWE)

PAPER	TITLE
BA-03	<b>PROFITABILITY BASED ON LIVE LABOR COSTS (MODELS AND METHODOLOGY FOR ANALYSIS)</b> <b>Rositsa Ivanova</b> University of National and World Economy, Sofia, Bulgaria
BA-01	<b>APPLYING MEDIA INTELLIGENCE FOR PROCESSING THE CONTENT OF WEB PUBLICATIONS</b> <b>Plamen Milev</b> University of National and World Economy, Sofia, Bulgaria
BA-02	<b>REGULAR EXPRESSIONS IN WEB DATA PROCESSING: A CASE STUDY ON ONLINE MEDIA</b> <b>Yavor Tabov</b> University of National and World Economy, Sofia, Bulgaria
BA-04	<b>AUDITING PROCEDURES FOR RISK ASSESSMENT WHEN VERIFYNG THE INFORMATION ENVIRONMENT OF INSURERS</b> <b>Maia Natchkova</b> University of National and World Economy, Sofia, Bulgaria
BA-15	<b>SCHEDULE AND COST PROJECT RISK ASSESSMENT USING SIMULATION MODELING</b> <b>Tsvetan Tsvetkov</b> University of National and World Economy, Sofia, Bulgaria
BA-05	<b>STRENGTH VERIFICATION OF FLOOR STEEL LOADING PLATFORM FOR BUILDING OF SMALL FLOOR HOUSE</b> <b>Lubomir Lahtchev</b> Institute of Robotics, Bulgarian Academy of Sciences, Sofia, Bulgaria
BA-17	<b>COMPUTER BASED LINEAR MODELING OF THE BRACHIAL ARTERY ALONG WITH A SIGNAL OF ELECTRONIC SPHYGMOMANOMETER</b> <b>Lubomir Lahtchev</b> Institute of Robotics, Bulgarian Academy of Sciences, Sofia, Bulgaria
BA-06	<b>INFORMATION TECHNOLOGY AS A CRITICAL ATTRIBUTE IN NUCLEAR SECURITY</b> <b>Tumelo Baraedi</b> University of National and World Economy, Sofia, Bulgaria
BA-07	<b>IMPACT OF SYNTHETIC DATA ON MODEL GENERALIZATION IN MACHINE LEARNING</b> <b>Bozhidar Bahov</b> University of National and World Economy, Sofia, Bulgaria

BA-08	<p style="text-align: center;"><b>CONTEMPORARY APPLICATIONS OF THE SELF-SERVICE APPROACH: EMPOWERING USERS IN THE DIGITAL ERA</b></p> <p style="text-align: center;"><b>Petar Genov</b> University of National and World Economy, Sofia, Bulgaria</p>
BA-16	<p style="text-align: center;"><b>INTEGRATING PUBLIC ADMINISTRATION AND HIGHER EDUCATION THROUGH DIGITAL INNOVATION AND INTERNATIONAL COLLABORATION</b></p> <p style="text-align: center;"><b>Ivona Velkova, Mariana Kovacheva</b> University of National and World Economy, Sofia, Bulgaria</p>

<b>PANEL 5 - 13:30 – 14:30 AM EEST (UTC + 2)</b>	
<b>CHAIR: ASSOC. PROF. DR. PLAMEN MILEV (UNWE)</b>	
<b>PAPER</b>	<b>TITLE</b>
BA-09	<p><b>USE OF STATE OF THE ART TECHNOLOGIES AND ETHICAL ISSUES IN CREATING A DIGITAL TWIN</b></p> <p><b>David Bennett<sup>1</sup>, Violeta Vasileva<sup>1</sup>, Veselina Aleksandrova<sup>2</sup></b>  <sup>1</sup> Mimic Productions, Berlin, Germany  <sup>2</sup> G. S. Rakovski National Defence College, Sofia, Bulgaria</p>
BA-10	<p><b>INTEGRATION OF ARTIFICIAL INTELLIGENCE FOR AUTOMATION AND OPTIMIZATION IN BACKEND PROGRAMMING</b></p> <p><b>Maria Marzovanova, Veska Mihova</b>            University of National and World Economy, Sofia, Bulgaria</p>
BA-11	<p><b>A METADATA MODEL FOR MIGRATING EXCEL FORMULAS AND DATA TO SQL SERVER</b></p> <p><b>Veska Mihova, Maria Marzovanova</b>            University of National and World Economy, Sofia, Bulgaria</p>
BA-12	<p><b>AI AND CHALLENGES OF EDUCATION IN KOREAN UNIVERSITIES</b></p> <p><b>James Kang</b>            St. Cyril and St. Methodius University of Veliko Tarnovo, Bulgaria            Paisii Hilrendarski University of Plovdiv, Bulgaria</p>
BA-13	<p><b>LEVERAGING INFORMATION TECHNOLOGY IN AUDITING PRACTICE</b></p> <p><b>Iavor Bachev</b>            University of National and World Economy, Sofia, Bulgaria</p>
BA-14	<p><b>THE ARTIFICIAL INTELLIGENCE TOOLS FOR LEARNING/TEACHING DATABASES</b></p> <p><b>James Osondu</b>            Faculty of Economics and Business Administration,            Sofia University "St. Kliment Ohridski", Bulgaria</p>
<b>END OF CONFERENCE</b>	



# Important Notes

The ICAICTSEE-2024 will be conducted fully online through the **Microsoft TEAMS** software.