

*International scientific symposium*

*SWorld*

# **Symposium program**

*ERBE DER EUROPÄISCHEN WISSENSCHAFT*

*HERITAGE OF EUROPEAN SCIENCE*

## **Organizing Committee:**

### **Chairman:**

*Shibaev A.G. Academician, Doctor of Technical Sciences, Professor*

### **Scientific Secretary:**

*Kuprienko S.V. PhD in technical sciences*

### **Members of the organizing committee:**

*More than 350 doctors of sciences in all areas of the symposium.*





**February 27, 2024:** The beginning of the sections of the Symposium.

**Innovative engineering, technology and industry**

ENSURING AN EFFECTIVE ENERGY EFFICIENCY POLICY BASED ON APPROPRIATE ENERGY AUDIT SYSTEMS	Zhuvahina Iryna, Candidate of Economic Sciences, Associate Professor, Admiral Makarov National University of Shipbuilding, ORCID: 0000-0002-6701-7750
TECHNOLOGY AND EQUIPMENT FOR REDUCING WATER HARDNESS THROUGH EFFECTIVE REMOVAL OF CALCIUM HYDROCARBONATE	Buliy Yuri Volodymyrovych, Candidate of Technical Sciences, Associate Professor, National University of Food Technologies, Institute of Engineering Thermophysics of National academy of sciences of Ukraine, ORCID: 0000-0002-1905-3706
	Pereiaslavitseva Olena Oleksandrivna , Candidate of Technical Sciences, senior researcher, Institute of Engineering Thermophysics of National academy of sciences of Ukraine, ORCID:
	Tselen Bohdan Yaroslavovych, Candidate of Technical Sciences, senior researcher, Institute of Engineering Thermophysics of National academy of sciences of Ukraine, ORCID: 0000-0001-5213-0219
	Sablii Larysa Andriivna , Doctor of Technical Sciences, Professor, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute, Institute of Engineering Thermophysics of National academy of sciences of Ukraine, ORCID: 0000-0003-4217-3535
	Obodovych Oleksandr Mykolaiovych, Doctor of Technical Sciences, Professor, Institute of Engineering Thermophysics of National academy of sciences of Ukraine, ORCID: 0000-0001-7213-3118
	Stepanova Olesya Evgeniivna, Candidate of Technical Sciences, Institute of Engineering Thermophysics of National academy of sciences of Ukraine, ORCID: 0000-0002-7179-7251
THE USE OF NON-TRADITIONAL RAW MATERIALS IN THE TECHNOLOGY OF THE PRODUCTION OF COOKED SAUSAGE PRODUCTS	Holembovska Nataliia, Candidate of Technical Sciences, Associate Professor, National University of Life and Environmental Sciences of Ukraine, ORCID: 0000-0001-8159-4020
	Volkhova Taisia, applicant, National University of Life and Environmental Sciences of Ukraine,
	Dorozhko Vladyslav, applicant, National University of Life and Environmental Sciences of Ukraine, ORCID: 0000-0003-4796-2445
Mamchur Roman, student, National University of Life and Environmental Sciences of Ukraine,	
FIRE HAZARD AT ENTERPRISES OIL AND FAT INDUSTRY	Garmash Svitlana Myckolaevna, Candidate of Agricultural Sciences, Associate Professor, Ukrainian State University of Science and Technologies , ORCID: 0000-0002-2658-162X



HARMONIZATION OF MANAGEMENT ELEMENTS: SYSTEMATIC APPROACH, AUDIT, ACCREDITATION, STANDARDIZATION AND CERTIFICATION	Neilenko Sergii Mykhailovych , Candidate of Technical Sciences, Associate Professor, Kyiv National University of Culture and Arts, ORCID: 0000-0002-7282-2682
	Kovalenko Nataliia Oleksandrivna , Candidate of Technical Sciences, Associate Professor, Odesa National University of Technology, ORCID: 0000-0003-4167-5779
	Brovenko Tetiana Viktorivna , Candidate of Technical Sciences, Associate Professor, National University of Life and Environmental Sciences of Ukraine, ORCID: 0000-0003-1552-2103
	Antonenko Artem Vasylovych, Candidate of Technical Sciences, Associate Professor, National University of Life and Environmental Sciences of Ukraine, ORCID: 0000-0001-9397-1209
	Tolok Galina Arsenivna, Candidate of Technical Sciences, Associate Professor, National University of Life and Environmental Sciences of Ukraine, ORCID: 0000-0002-2971-1645
	Tonkykh Oleksii Gryhorovych , Candidate of Economic Sciences, Associate Professor, Kyiv National University of Technologies and Design, ORCID: 0000-0001-7823-4761
	Gorkun Artem Oleksandrovysh, graduate student, Kyiv University of Culture, ORCID: 0009-0002-0370-4823
	Mihailik Vitalii Sergiiiovych, Candidate of Technical Sciences, Associate Professor, State university of trade and economics, ORCID: 0000-0001-7604-4403

### **Computer science, cybernetics and automation**

ENHANCING FRAGMENT-BASED VIDEO RETRIEVAL THROUGH THE INTEGRATION OF FEEDFORWARD NEURAL NETWORKS	Pobereiko Petro, graduate student, Lviv Polytechnic National University, ORCID: 0000-0002-8884-1255
	Melnykova Nataliia, Doctor of Technical Sciences, Professor, Lviv Polytechnic National University, ORCID: 0000-0002-2114-3436
SERVER SOLUTION FOR CREATION AND GENERATION DOCUMENTS IN SPECIALIZED DOCUMENT MANAGEMENT SYSTEM	Korobeinikova Tetiana Ivanivna, Candidate of Technical Sciences, Associate Professor, Lviv National Technical University, ORCID: 0000-0003-2487-8742
DATALOGIC PROJECTING FOR APPLIED ADAPTIVE SEMANTIC TESTING	Mazurets Oleksandr Viktorovych, Candidate of Technical Sciences, Associate Professor, Khmelnytskyi National University, ORCID: 0000-0002-8900-0650



### **Security systems in the modern world**

THE DEVELOPMENT OF INFORMATION MANAGEMENT MODEL OF PROGRAM TECHNICAL COMPLEXITY OF AUTOMATIC SYSTEM MANAGEMENT OF TECHNOLOGICAL PROCESS FOR THE EMERGENCY REGIME OF FUNCTION THE POWER ENERGY EQUIPMENT THE POWER STATION	Budanov Pavlo, Candidate of Technical Sciences, Associate Professor, Ukrainian Engineering Pedagogics Academy, ORCID: 0009-0000-4519-3879
	Brovko Kostiantyn, Candidate of Technical Sciences, Associate Professor, Ukrainian Engineering Pedagogics Academy, ORCID: 0000-0002-9669-9316
	Cherniuk Artem, Candidate of Technical Sciences, Associate Professor, Ukrainian Engineering Pedagogics Academy, ORCID: 0009-0003-6218-4132
	Oliinyk Yuliia, Candidate of Pedagogical Sciences, Ukrainian Engineering Pedagogics Academy, ORCID: 0000-0002-5893-352X

### **Development of transport and transport systems**

METHODS OF CONTROLLING ELECTRICAL ENERGY QUALITY OF SHIP ELECTRICAL ENERGY SYSTEMS	Doshchenko Halyna Gennadiivna, Candidate of Technical Sciences, Associate Professor, Kherson State Maritime Academy, ORCID: 0000-0002-1004-4934
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### **Physics and mathematics**

INTERPOLATION OF OPERATORS BY NEWTON-TYPE POLYNOMIALS	Demkiv Ihor Ivanovych, Doctor of Physical and Mathematical Sciences, Professor, Lviv Polytechnic National University, ORCID: 0000-0003-4015-8171
QUALITATIVE METHODS IN MATHEMATICAL MODELING OF COMPLEX MECHANICAL SYSTEMS WITH DISSIPATION	Kunynets Andrii Volodymyrovych, Candidate of Physical and Mathematical Sciences, Associate Professor, Lviv Polytechnic National University, ORCID: 0000-0003-2481-3236
	Pukach Petro Yaroslavovych, Doctor of Technical Sciences, Professor, Lviv Polytechnic National University, ORCID: 0000-0002-0359-5025

### **Medicine and healthcare**

THE INFLUENCE OF INCREASED EXTRACELLULAR SPACE VOLUME ON THE TOXIN EXCRETORY FUNCTION OF THE KIDNEYS IN PATIENTS WITH DOPAMINE-DEPENDENT COMPENSATED SEPSIS-INDUCED HYPOTENSION IN CASE OF PURULENT-SEPTIC COMPLICATIONS	Andrushchak Andrii, Candidate of Medical Sciences, Bukovinian State Medical University Department of Anaesthesiology and Intensive Care, ORCID: 0000-0002-0320-2383
	Kushrir Sergij, Bukovinian State Medical University Department of Anaesthesiology and Intensive Care, ORCID: 0000-0002-3784-0324
	Kokalko Mykola, Candidate of Medical Sciences, associate professor, RCNE "CHERNIVTSI REGIONAL CLINICAL HOSPITAL", ORCID: 0000-0002-2549-9640
	Konovchuk Viktor, Doctor of Medical Sciences, Professor, Bukovinian State Medical University Department of Anaesthesiology and Intensive Care, ORCID: 0000-0003-2231-4185
RADIATION-INDUCED INSTABILITY OF THE HUMAN GENOME DURING LOW-DOSE IRRADIATION	Domina Emiliia, Doctor of Medical Sciences, Professor, ORCID: 0000-0002-1058-0489



### **Biology and ecology**

CHANGES IN THE KEY HYDROLOGICAL FACTORS OF THE LOWER REACHES OF THE DNIEPER WATER ECOSYSTEMS FUNCTIONING AFTER THE KAKHOVKA HYDROELECTRIC POWER STATION DAM WAS DESTROYED	Korzhov Yevhen Ivanovich, Candidate of Geographical Sciences, Associate Professor, Kherson State Agrarian and Economic University, ORCID: 0000-0003-2677-5296
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### **Agriculture, forestry, fisheries and water management**

UTILIZING SPACE IMAGERY FOR INVESTIGATING CROP VEGETATION STATUS IN PRECISION AGRICULTURE THROUGH THE GOOGLE EARTH ENGINE CLOUD PLATFORM	Zayats Iryna, Lviv Polytechnic National University, ORCID: 0000-0002-3838-5431
	Babiy Lyubov, Lviv Polytechnic National University, ORCID: 0000-0002-5772-4865
	Chetverikov Borys, Lviv Polytechnic National University, ORCID: 0000-0001-8677-1735

### **Economy and trade**

INTERNAL CONTROL IS A RISK REDUCTION TOOL IN AN INSURANCE COMPANY	Kudyrko Olena, Candidate of Economic Sciences, Associate Professor, Vinnytsia Institute of Trade and Economics of State University of Trade and Economics, ORCID: 0000-0002-5090-1208
	Kotseruba Nataliia, Candidate of Economic Sciences, Associate Professor, Vinnytsia Institute of Trade and Economics of State University of Trade and Economics, ORCID: 0000-0001-5161-318X
	Datsenko Ganna, Doctor of Economic Sciences, Professor, Vinnytsia Institute of Trade and Economics of State University of Trade and Economics, ORCID: 0000-0001-8327-7301
STRUCTURING THE ECONOMIC POTENTIAL OF HOSPITALITY INDUSTRY ENTERPRISES	Vivsiuk Iryna Oleksandribna, Candidate of Economic Sciences, Vinnytsia Institute of Trade and Economics of State University of Trade and Economics, ORCID: 0000-0001-9170-0886
	Antoniuk Kateryna Hennadiivna, Candidate of Economic Sciences, Vinnytsia Institute of Trade and Economics of State University of Trade and Economics, ORCID: 0000-0003-4566-7792

### **Management and marketing**

CONTROLLING MECHANISM IN THE MANAGEMENT OF BUSINESS ENTITIES	Tkachenko Alla, Doctor of Economic Sciences, Professor, Zaporizhia Polytechnic National University, ORCID: 0000-0003-1061-4594
STRATEGIC APPROACH TO PERSONNEL MANAGEMENT IN MODERN CONDITIONS	Pozhueva Tetiana, Doctor of Economic Sciences, Professor, National University "Zaporizhzhia Polytechnic", ORCID: 0000-0002-9895-2557



DIGITALIZATION OF ACCOUNTING IN THE ENVIRONMENT OF THE UKRAINIAN SOFTWARE PRODUCT "MASTER: BUDGET INSTITUTIONS" FOR TERRITORIAL COMMUNITIES	Manachynska Yuliya, Candidate of Economic Sciences, Associate Professor, Chernivtsi Trade and Economics Institute of the State Trade and Economics University, ORCID: 0000-0001-9155-3417
FUNDAMENTALS OF HUMAN CAPITAL QUALITY MANAGEMENT	Somkina Tetiana, Doctor of Economic Sciences, Professor, ORCID: 0000-0003-2852-2989
	Golovnina Elen, Doctor of Economic Sciences, Associate Professor, ORCID: 0000-0003-2272-9233
	Denysenko Mykola, Doctor of Economic Sciences, Professor, ORCID:
	Panchenko Vladimir, Doctor of Economic Sciences, Professor, ORCID:
THE PROBLEM OF ORGANIZATIONAL BEHAVIOR IN ECONOMIC UNITS FROM REPUBLIC OF MOLDOVA	Jorovlea Elvira, Doctor of Economic Sciences, Associate Professor, ASEM, ORCID: 0000-0001-8184-9951

### **Tourism and recreation**

ASSESSMENT OF THE ATTRACTIVENESS OF THE TOURIST DESTINATION OF SMALL TOWNS OF UKRAINE	Baiev Vadym, Candidate of Economic Sciences, Associate Professor, Nation University of food technology, Kyiv, Ukraine, ORCID: 0000-0003-0670-807X
	Melnyk Iryna, Candidate of Economic Sciences, Associate Professor, Nation University of food technology, Kyiv, Ukraine, ORCID:
	Belinskyi Oleksandr, graduate student, Nation University of food technology, Kyiv, Ukraine, ORCID:

### **Education and pedagogy**

COMPARATIVE ANALYSIS OF THE SYSTEM OF ACTUARIES' PROFESSIONAL TRAINING IN UKRAINE AND CANADA	Fursenko Tetiana Mykolaivna, Candidate of Pedagogical Sciences, Kyiv National Economic University named after Vadym Hetman, ORCID: 0000-0001-7192-8867
PEDAGOGICAL FIELD OF KNOWLEDGE: FORMATION, DEVELOPMENT AND ACTUAL PROBLEMS OF MODERNIZATION	Marchuk Natalia Anatoliyivna, Candidate of Physical and Mathematical Sciences, Associate Professor, Podillia State University, ORCID: 0000-0003-3787-4265
HIGH SCHOOL STUDENTS' PSYCHOLOGICAL BARRIERS WHEN LEARNING FOREIGN LANGUAGES	Postolenko Iryna, Candidate of Pedagogical Sciences, Associate Professor, Pavlo Tychyna Uman State Pedagogical University, ORCID: 0000-0001-8533-8614
MODERNIZATION OF UKRAINIAN HIGHER EDUCATION: INTEGRATION OF DIGITAL TECHNOLOGIES AS A MEANS OF ORIENTATION OF FOREIGN LANGUAGE LEARNING BY STUDENTS OF HIGHER EDUCATION INSTITUTIONS	Anastasiia Braievaska, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", ORCID: 0000-0001-8238-5714



FEATURES AND POTENTIALS OF WEB-BASED EDUCATION FOR FOREIGN LANGUAGE TEACHING	Meleshko Inna Viktorivna, Senior Lecturer, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", ORCID: 0000-0002-7414-7828
ONLINE TOOLS FOR VOCABULARY TEACHING	Nikitina Natalia Sergiivna, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", ORCID: 0000-0002-1867-0294
CURRENT CHALLENGES AND PROSPECTS OF USING ARTIFICIAL INTELLIGENCE TECHNOLOGIES IN CONTEMPORARY EDUCATION	Prykhodko Dmytro Serhiyovych, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", ORCID: 0000-0002-8276-5386
CREATING EFFECTIVE LEARNING ENVIRONMENT: LEARNER-CENTRED PEDAGOGY, ASSESSMENT AND FEEDBACK PRACTICES AND WEB-BASED TOOLS IN ESP EDUCATION	Pysarchyk Olena, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", ORCID: 0000-0001-6354-9381
INTERNET TECHNOLOGIES IN THE FRAMEWORK OF EDUCATION	Frank McCulley, Delsea Regional College, ORCID:
	Chernova Myroslava Yevgeniivna, Doctor of Technical Sciences, Professor, Ivano-Frankivsk National Technical University of Oil and Gas, ORCID: 0000-0001-6014-3087
INFORMATION TECHNOLOGIES IN TEACHING BASIC LANGUAGE SKILLS IN ENGLISH	Betsko Olena Stepanivna, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", ORCID: 0000-0003-4677-4776

### **Psychology and Sociology**

SOCIAL AND PSYCHOLOGICAL CAUSES OF JUVENILE CRIMINAL BEHAVIOUR	Spytska Liana, Doctor of Psychological Sciences, Professor, Kyiv International University, ORCID: 0000-0002-9004-727X
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### **Philosophy**

HOLISTIC PARADIGM OF SCIENCE AND ITS DEVELOPMENT IN THE XXI CENTURY	Poplavska Tetiana, candidate of philosophical sciences, Associate Professor, South Ukrainian National Pedagogical University named after K.D.Ushinsky, ORCID: 0000-0003-2492-8068
REFORMIST IDEAS OF FRENCH PHILOSOPHY: LATE TWENTIETH TO EARLY TWENTY-FIRST CENTURY	Zinchenko Nataliia, Candidate of Philosophical Sciences, Associate Professor, Poltava State Medical University, ORCID: 0000-0002-3247-3836
	Shtepa Oleksii, candidate of philosophical sciences, Associate Professor, Poltava V.G.Korolenko National Pedagogical University, ORCID: 0000-0003-0500-3000

### **Philology, linguistics and literary studies**

PECULIARITIES OF THE GREEK LANGUAGE OF THE LATE BYZANTINE PERIOD AND IN THE TIMES OF TURKISH RULE	Zvonska Lesia, Doctor of Philological Sciences, Professor, Taras Shevchenko National University of Kyiv, ORCID: 0000-0001-5361-3554
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**Art history and culture**

UKRAINIAN PAGE IN THE ANTHOLOGY OF THE ICONOGRAPHY OF THE GREAT SPHINX	Yamash Yuri Volodumurovuch, Ph.D. in History of Arts, Associate Professor, National Forestry University of Ukraine, ORCID: 0000-0002-3259-083X
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**February 28, 2024:** Summarizing. Recommendations for the publication of materials in the monograph. Closing of the annual scientific-practical Symposium.

**Chairman of the Organizing Committee**

*Doctor of Technical Sciences, Professor, Academician*

**A.G. Shibaev**

**SWorld Project Manager**

*Ph.D.*

**S.V. Kuprienko**