



International scientific conference

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JANUARY 20-21, 2024

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January 20, 2024: The beginning of the sections of the Conference.

Innovative engineering, technology and industry

USING ARTIFICIAL INTELLIGENCE IN THE PROCESS OF TRAINING MECHANICAL ENGINEERS	Kisietov Jurii, Candidate of Technical Sciences, assistant professor, National University of Shipbuilding
PREPARATION OF POLYCRYSTALLINE COMPOSITES BY SINTERING DIAMOND POWDERS AT HIGH PRESSURES AND TEMPERATURES	Sokolov Oleksandr Mykolaiovych, Candidate of Technical Sciences, senior researcher, V. Bakul Institute for superhard materials of NAS of Ukraine
	Harhin Vladyslav Herasymovych, Candidate of Technical Sciences, senior researcher, V. Bakul Institute for superhard materials of NAS of Ukraine
USE OF ONLINE FORECAST SYSTEMS FOR DETERMINING THE PRODUCTIVITY OF PHOTOVOLTAICS PLANTS	Zhyvchyn Petro Petrovych, Ivano-Frankivsk National Technical University Oil and Gas
	Shnurok Ivan Fedorovych, Ivano-Frankivsk National Technical University Oil and Gas
	Fedenko Vitalii Yaroslavovych, Vasyl Stefanyk Precarpathian National University,
	Batsala Yaroslav Vasylovych, Candidate of Technical Sciences, assistant professor, Ivano-Frankivsk National Technical University Oil and Gas
ENERGY CONVERSION IN SYSTEMS OF CORROSION INFLUENCE ON METAL	Stadnyk Igor, Doctor of Technical Sciences, Professor, Ternopil Ivan Puluj National Technical University,
	Derkach Andrii, Candidate of Technical Sciences, Ternopil Ivan Puluj National Technical University,
	Kravcheniuk Khrystyna, Candidate of Technical Sciences, Ternopil Ivan Puluj National Technical University,
	Fedoriv Viktor, Candidate of Technical Sciences, assistant professor, Khmelnytskyi National University
MATHEMATICAL MODELING OF MECHANICAL LOSSES AND DETERMINATION OF THE FUNCTIONING EFFICIENCY OF CENTRIFUGAL PUMPS	Nykolyn Petro Mykhajlovych, master, Ivano-Frankivsk National Technical University of Oil and Gas
	Nykolyn Uljana Mykhajlivna, Candidate of Technical Sciences, assistant professor, Ivano-Frankivsk National Technical University of Oil and Gas
	Nahirnyi Petro Ihorovych, master, Ivano-Frankivsk National Technical University of Oil and Gas
TOPICAL ISSUES OF IMPLEMENTATION OF BACKUP POWER SOURCES	Fedoriv Mykhailo Yosypovych, Candidate of Technical Sciences, assistant professor, Ivano Frankivsk National Technical University of Oil and Gas
	Hlad Ivan Vasyliovych, Candidate of Technical Sciences, assistant professor, Ivano Frankivsk National Technical University of Oil and Gas
	Batsala Yaroslav Vasyliovych , Candidate of Technical Sciences, assistant professor, Ivano Frankivsk National Technical University of Oil and Gas
SANITARY AND HYGIENIC	Koretska Iryna, Candidate of Technical Sciences,



CONTROL OF FOOD PRODUCTION IN RESTAURANT ESTABLISHMENTS	assistant professor, National University of Food Technologies
	Maslikov Maksim, Candidate of Technical Sciences, assistant professor, National University of Food Technologies

Informatics, cybernetics and automation

COMPARISON OF DATA CLUSTERING ALGORITHMS	Doroshenko Iryna Viktorivna, Candidate of Physical and Mathematical Sciences, assistant professor, Chernivtsi National University
	Knihnitska Tatiana Vasylivna, Candidate of Physical and Mathematical Sciences, Chernivtsi National University
	Kreshtanovych Mykyta A Andriyovych, master, Chernivtsi National University
SINGLE-PAGE APPLICATION DESIGNING METHODS TO STIPULATE THE OPTIMAL VARIABLE COMPONENTS BLOCKS WITH SPECIALIZATION PURPOSE OF EDUCATIONAL TRAJECTORY	Neroda Tetyana, Candidate of Technical Sciences, assistant professor, Ukrainian Academy of Printing

Architecture and construction

CALCULATION OF SPATIAL REINFORCED CONCRETE FRAMES TAKING INTO ACCOUNT THE DEFORMATION SCHEME AND VIBROCREEP	Buratynskiy Andrii, Candidate of Technical Sciences, assistant professor, Prydniprov's'ka State Academy of Civil Engineering and Architecture
STRESS-STRAIN STATE OF SHELTER STRUCTURES UNDER THE ACTION OF AIR SHOCK WAVE	Koliakova Vira, assistant professor, Kyiv National University of Construction and Architecture
	Dumych Anastasiia, master, BIP-PM, LTD
	Sumak Andriy, student, Kyiv National University of Construction and Architecture
ON THE ISSUE OF ACCOUNTING FOR SEISMIC EFFECTS IN THE DESIGN OF A "SHOPPING AND ENTERTAINMENT CENTER WITH AN UNDERGROUND SHELTER" IN THE ODESSA CITY	Ponomarenko Maks, student, Kyiv National University of Construction and Architecture
	Koliakova Vira, Candidate of Technical Sciences, assistant professor, Kyiv National University of Construction and Architecture
	Fursovych Illia, student, Kyiv National University of Construction and Architecture
EVALUATION OF THE LEACHATE REAGENT TREATMENT	Dehtiar Mariia, Candidate of Technical Sciences, assistant professor, OM Beketov National University of Urban Economy in Kharkiv, Ukraine

Physics and mathematics

PECULIARITIES OF MARTIAN HYDROLOGY	Vidmachenko Anatoliy P., Doctor of Physical and Mathematical Sciences, Professor, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine
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FROZEN RESERVOIRS OF WATER UNDER THE SURFACE OF MARS	Vidmachenko Anatoliy P., Doctor of Physical and Mathematical Sciences, Professor, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine
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Medicine and healthcare

ASSESSMENT OF THE HYOID BONE POSITION IN MALOCCLUSIONS	Kobtseva Olena Anatoliivna, Candidate of Medical Sciences, assistant professor, Donetsk National Medical University
CORRELATION BETWEEN THE CHEMICAL COMPOSITION OF CERVICAL ENAMEL AND ORAL FLUID IN PATIENTS WITH A WEDGE-SHAPED DEFECT AND INTACT TEETH	Zabolotna Iryna Ivanovna, Candidate of Medical Sciences, assistant professor, Donetsk National Medical University
	Komlev Andrii Anatoliyovych, Candidate of Medical Sciences, assistant professor, Donetsk National Medical University
	Zabolotnyi Oleksandr Serhiyovych, student, Заболотный Александр Сергеевич
MORPHOLOGY OF BRONCHOPULMONARY DYSPLASIA IN PREMATURE INFANTS	Ashirbekov Gamal Karimovich, Doctor of Medical Sciences, Professor, KRMU
	Stoilov Vladimir Vladimirovich, KazNMU named after S.D. Asfendiyarova
	Kuzatbekova Eligay Bolatbekovna, KazNMU named after S.D. Asfendiyarova
	Esirgepova Sofya Richardovna, Candidate of Medical Sciences, Professor, KRMU
	Serikbay Mereily Karmantaevna, Candidate of Medical Sciences, Professor, KazNMU named after S.D. Asfendiyarova
	Tazhimetov Bekzat Makhmutovich, Candidate of Medical Sciences, Professor, KRMU
STATISTICAL ANALYSIS OF VANCOMYCIN-RESISTANT ENTEROCOCCI ISOLATED FROM THE BLOOD OF PATIENTS IN LITHUANIA	Matylonok Tetiana, National public health surveillance laboratory, Vilnius, Lithuania
	Polishchuk Nataliia, Candidate of Medical Sciences, assistant professor, Zaporizhzhia State Medical and Pharmaceutical University, Ukraine
	Algirdas Griskevicius, National public health surveillance laboratory, Vilnius, Lithuania
IRON METABOLISM DEPENDENCE ON THE THERMAL AND MECHANICAL RESISTANCE PROPERTIES OF ERYTHROCYTES IN REGULAR BLOOD DONORS	Derpak Yuriy Yu., Doctor of Medical Sciences, assistant professor, Shupyk National Healthcare University of Ukraine, Kyiv, Ukraine
FORMATION OF THE PROFESSIONAL IDENTITY OF PHYSICAL THERAPISTS IN HIGHER EDUCATION INSTITUTIONS	Ponomarenko Nikolai, Senior Lecturer, Vinnitsa Social and Economic Institute of the University "Ukraine"
	Korchinski Vladimir, Doctor of Medical Sciences, Professor, Vinnitsa Social and Economic Institute of the University "Ukraine"



APPLICATION OF THE PARETO PRINCIPLE FOR CONCENTRATION OF BASIC KNOWLEDGE OF MEDICAL STUDENTS IN ONLINE LEARNING	Patskov Andriy Oleksandrovich, Candidate of Medical Sciences, assistant professor, Odessa National Medical University
	Kuznetsova Olga Volodymyrivna, Candidate of Medical Sciences, assistant professor, Odessa National Medical University
	Rybin Andriy Igorovich, Doctor of Medical Sciences, Professor, Odessa National Medical University
MEDICAL AND SOCIAL FACTORS OF SUCCESSFUL BREASTFEEDING	Dyachuk Anastasia , master, Bukovinian State Medical University
	Melnychuk Larysa , Candidate of Medical Sciences, assistant professor, Bukovinian State Medical University

Agriculture, forestry, fisheries and water management

PRIORITY OF CULTIVATION OF CALENDULA OFFICINALIS L. IN THE CONTEXT OF MODERN USE TODAY	Padalko Tetiana Alexandrovna, Candidate of Agricultural Sciences, Higher educational institution "Podillia State University"
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Economy and trade

“GREEN” FINANCE AS THE MAIN SOURCE OF SUSTAINABLE DEVELOPMENT	Shevchenko Olena Mykolaivna, Candidate of Economic Sciences, assistant professor, National University “Yuri Kondratyuk Poltava Polytechnic”
FEATURES OF THE EFFECTIVE STOCK MANAGEMENT SYSTEM AT TRADE ENTERPRISES	Samoilenko Antonina, Candidate of Technical Sciences, assistant professor, Kyiv National University of Construction and Architecture
	Kulik Anna, Candidate of Economic Sciences, assistant professor, Kyiv University of Market Relations
RESEARCH OF INFLATION PROCESSES IN UKRAINE	Havrikova Alina Volodymyrivna, Candidate of Economic Sciences, Donbas State Engineering Academy
	Samodryga Yana Volodymyrivna , student, Donbas State Engineering Academy
IMPACT OF WAR ON REGIONAL DEVELOPMENT IN UKRAINE	Dermanska Liudmyla Vasylivna, Candidate of Economic Sciences, assistant professor, Chortkiv Educational and Scientific Institute of Entrepreneurship and Business of West Ukrainian National University
	Kulchytska Nadiia Yevstakhivna, Candidate of Economic Sciences, assistant professor, Chortkiv Educational and Scientific Institute of Entrepreneurship and Business of West Ukrainian National University

Management and marketing

MECHANISM FOR CREATING AND IMPLEMENTING A VOLUNTEER PROJECT	Gromova Olena Volodymyrivna, Candidate of Economic Sciences, assistant professor, Ukrainian State University of railway transport
	Serhieieva Olha Volodymyrivna, student, Ukrainian State University of railway transport
FORMATION OF A MARKETING IMAGE IN UKRAINE	Ptashchenko O. , Doctor of Economic Sciences, West Ukrainian National University
	Schuchmann Vadim Alexanderovych, master, West Ukrainian National University



Education and pedagogy

INNOVATIVE LANGUAGE LEARNING IN HIGHER EDUCATION: HARNESSING ARTIFICIAL INTELLIGENCE TOOLS FOR PROFICIENCY	Golub Tetiana, Candidate of Pedagogical Sciences, assistant professor, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
	Kovalenko Olha, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
	Nazarenko Olga, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
FOREIGN LANGUAGE TEACHERS' ROLE IN STUDENTS' EMOTIONAL INTELLIGENCE FORMATION	Krekoten Olena Valentynivna, Senior Lecturer, Sumy National Agrarian University
A CREATIVE ATMOSPHERE AS AN INNOVATIVE ENVIRONMENT WITHIN THE EDUCATIONAL PROCESS OF ELEMENTARY SCHOOL	Sydorov Dmytro, Research officer of Institute education content modernization
FORMATION OF FOREIGN LANGUAGE LEXICAL SKILLS IN PRESCHOOL CHILDREN	Maslo Iryna Mykhailivna, National University of Water and Environmental Engineering
THE INFLUENCE OF EDUCATIONAL INNOVATION ON THE CREATIVE DEVELOPMENT OF PROFESSIONAL SKILLS OF FUTURE MUSIC TEACHERS	Pashchenko M., Candidate of Pedagogical Sciences, assistant professor, Municipal Institution «Uman Taras Shevchenko Professional College of Education and Humanities of Cherkasy Regional Council»
	Levchuk. O, Candidate of Philology, assistant professor, Pavlo Tychyna Uman State Pedagogical University
THE PROBLEM OF FORMING THE PROFESSIONAL READINESS OF EDUCATORS FOR ETHNOLOGICAL WORK WITH PRESCHOOL CHILDREN	Kramska Z., Candidate of Pedagogical Sciences, Municipal Institution «Uman Taras Shevchenko Professional College of Education and Humanities of Cherkasy Regional Council»
	Popychenko S., Candidate of Pedagogical Sciences, assistant professor, Pavlo Tychyna Uman State Pedagogical University

Physical education and sports

PLANNING THE TRAINING OF ATHLETES IN UKRAINIAN NATIONAL MARTIAL ARTS	Lytvynenko Andrii Mykolayovych, Candidate of Sciences in Physical Education and Sports, assistant professor, Kharkiv National University of Radio Electronics
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Psychology and Sociology

SOCIO-PSYCHOLOGICAL FEATURES OF THE MOTIVES OF CRIMINAL ACTIVITY OF YOUNG PEOPLE AND MINORS	Spytska Liana, Doctor of Psychology, Professor, Kyiv International University
CRITERIA, INDICATORS AND LEVELS OF DEVELOPMENT LEADERSHIP POTENTIAL OF CADETS	Holiardyk Nataliia, Candidate of Psychological Sciences, assistant professor, National Academy of the State Border Service of Ukraine named after Bohdan Khmelnytskyi



Philology, linguistics and literary studies

«FOR BETTER FOR WORSE»: AN UNKNOWN AUTODOCUMENTARY PROSE	Kalashnikova Olga Leonidivna, Doctor of Philology, Professor, University of customs and finance
WILLIAM BLAKE'S CREATIVITY AS A DEFINING FEATURE OF THE NOVEL "DRIVE YOUR PLOW OVER THE BONES OF THE DEAD" BY OLGA TOKARCZUK	Mitina Lubov Sergiivna, Candidate of Philology, assistant professor, Kharkiv State Academy of Culture

Legal and political sciences

MODERN POSSIBILITIES OF HANDPRINT RESEARCH	Bdaitsiieva Khrystyna Mykhailivna, Ivano-Frankivsk scientific research forensic center of the MIA of Ukraine
UPDATING THE INTEGRATED BORDER MANAGEMENT STRATEGY IN UKRAINE UNDER MARTIAL LAW	Fedun Oleksandra Vasylivna, Candidate of Geographical Sciences, assistant professor, Ivan Franko National University of Lviv
	Papish Nataliia Ivanivna, Candidate of Political Sciences, assistant professor, Ivan Franko National University of Lviv
CRIMINAL-LEGAL FIGHT AGAINST PROPAGANDA IN UKRAINE	Orobets Kostiantyn Mykolaiovych, Candidate of Legal Sciences, assistant professor, Yaroslav Mudryi National Law University

Art history and culture

THREE VERSIONS OF THE PORTRAIT OF TARAS SHEVCHENKO BY THE BRUSH OF IVAN TRUSH	Yamash Yuri Volodumurovuch, Ph.D. in History of Arts, assistant professor, National Forestry University of Ukraine
THE LATEST WOOD PLASTIC	Pisyo S. Ya., Senior Lecturer, Lviv National University of Nature Management

January 21, 2024: Summarizing. Recommendations for the publication of materials in the conference proceedings. Closing of the annual scientific-practical conference.

Chairman of the Organizing Committee

Doctor of Technical Sciences, Professor, Academician

A.G. Shibaev

SWorld Project Manager

Ph.D.



S.V. Kuprienko