

Ministry of Education and Science of Ukraine  
Oles Honchar Dnipro National University  
Faculty of Ukrainian and Foreign Philology and Study of Arts  
Department of English Language for Non-Philological Specialities

**PROGRAM**

of the III All-Ukrainian scientific and practical conference  
of young scholars and students

**MODERN SCIENTIFIC AND TECHNICAL RESEARCH IN THE  
CONTEXT OF LINGUISTIC SPACE (IN ENGLISH)**

*Dnipro, May 2, 2024*

Dnipro  
2024

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**Sergiy Okovytyy** – Rector of Oles Honchar Dnipro National University, Doctor of Chemical Sciences, Professor.

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**Iryna Popova** – Dean of the Faculty of Ukrainian and Foreign Philology and Study of Arts, Doctor of Philological Sciences, Professor;

**Olena Hurko** – Head of the Department of English Language for Non-Philological Specialities, Doctor of Philological Sciences, Professor.

*Members of organisational committee:*

**Olha Aliseienko** – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities;

**Olha Novikova** – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities;

**Tetiana Pryshchepa** – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities.

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**Iryna Popova** – Dean of the Faculty of Ukrainian and Foreign Philology and Study of Arts, Doctor of Philological Sciences, Professor;

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**Tetiana Vorova** – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities;

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**Oksana Bovkunova** – Lecturer of the Department of English Language for Non-Philological Specialities;

**Natalia Kaliberda** – Lecturer of the Department of English Language for Non-Philological Specialities;

**Hanna Mudrenko** – Lecturer of the Department of English Language for Non-Philological Specialities.

### **Schedule**

**Date of the event:** May 2, 2024.

**Time:** 14:00 – 18:00

**Venue:** DNU, Zoom

**Report at the plenary session:** 10 minutes

**Report at the panel session:** 7 minutes

**Discussion:** 5 minutes

## Conference opening

**Olena Hurko** – Head of the Department of English Language for Non-Philological Specialities, Doctor of Philological Sciences, Professor.

## Welcoming speech

**Sergiy Okovytyy** – Rector of Oles Honchar Dnipro National University, Doctor of Chemical Sciences, Professor;

**Oleh Marenkov** – Vice-rector for Research of Oles Honchar Dnipro National University, Candidate of Biological Sciences, Associate Professor;

**Iryna Popova** – Dean of the Faculty of Ukrainian and Foreign Philology and Study of Arts, Doctor of Philological Sciences, Professor.

## PLENARY SESSION

### 1. Space law and its future perspectives

*Olha Verbonol* – a student of the Faculty of International and Politic Studies of Jagiellonian University, Krakow, Poland

### 2. Global cultural imperialism and its impact on the modern international environment

*Ivan Mytrofanov* – a student of the Faculty of Social Sciences and International Relations of Oles Honchar Dnipro National University

### 3. Development of trade and commercial partnership between transnational policy makers within the economic community of West African countries

*Ivan Kotov* – a student of the Faculty of Social Sciences and International Relations of Oles Honchar Dnipro National University

### 4. Modern concepts and trends of chemical approaches to environmental issues

*Olha Larionova* – a student of the Faculty of Chemistry of Oles Honchar Dnipro National University

## **5. AI resources for teaching, study and research**

*Tamara Kyrpyta* – an associate professor of the Department of Translation and Foreign Languages of Ukrainian State University of Science and Technologies

## **6. Impact of anxious-ambivalent attachment type on psychological well-being in adolescents**

*Anastasia Yefremova* – a student of the Faculty of Psychology and Special Education of Oles Honchar Dnipro National University

## PANEL 1

### Modern Studies in the Sphere of Natural Sciences

*(DNU, Zoom)*

A. Bershak, O. Hurko EVOLUTION OF THE SYNTHESIS AND CHEMICAL MODIFICATION OF 1,4-BENZODIAZEPINES FROM THE FIRST COMPONENTS TO MODERN DERIVATIVES

K. Boichenko, Yu. Matsuk, O. Posudiiivska ANALYSIS OF THE ASSORTMENT AND IMPROVEMENT OF THE ICED TEA TECHNOLOGY

A. Chekhovych, Yu. Matsuk, O. Posudiiivska ANALYSIS OF DESSERT TECHNOLOGIES AND EXTENSION OF THEIR RANGE

D. Halapsis, T. Khodanen, N. Kaliberda ELECTRON AVALANCHE IN A RADIO-FREQUENCY PLASMA TORCH

T. Huliaieva, T. Denisenko, O. Posudiiivska NON-USEFUL PROPERTIES OF "USEFUL" ALUMINUM

A. Kaliberda, O. Marenkov, N. Kaliberda THE USE OF ALBUVIR TO PRODUCE A LIFE-SUSTAINING YOUNG CRAYFISH

K. Kibalnik, Yu. Matsuk, O. Posudiiivska STUDY OF THE USE OF PUMPKIN FLOUR IN LEMON TART DOUGH IN ORDER TO INCREASE ITS BIOLOGICAL VALUE

D. Kyrlyova, S. Okovytyy SEARCH FOR NEW EGFR INHIBITORS AMONG SUBSTITUTED PTERIDINE DERIVATIVES AS POTENTIAL ANTITUMOR AGENTS USING AFFINITY CALCULATIONS

A. Matsuk, Yu. Matsuk, O. Posudiiivska IMPROVING THE TECHNOLOGY OF MEAT SLICED SEMI-FINISHED PRODUCTS BY USING HYDROCOLLOID ADDITIVES OF PLANT ORIGIN

M. Naidun, T. Turytska, O. Osadcha INNOVATIONS IN PHYSICAL THERAPY FOR CHRONIC PAIN TREATMENT

M. Netesa, O. Syzenko, O. Novikova MODERN RESEARCH IN THE FIELD OF GEOGRAPHY

O. Perik, Yu. Matsuk, O. Posudiiivska IMPROVING THE TECHNOLOGY OF MEAT SLICED SEMI-FINISHED PRODUCTS ENRICHED WITH MICRONUTRIENTS AND MINERALS

K. Rezvan, T. Turytska, O. Osadcha NEW APPROACHES AND PROCEDURES IN CANCER TREATMENT. CURRENT PERSPECTIVES ON THERMAL ABLATION

S. Roitman, O. Osadcha, T. Sklyar TECHNOLOGY OF PROBIOTICS PRODUCTION

L. Safonov, A. Sytnychenko, T. Denysenko, O. Posudiiivska NUTRITIONAL AND BIOLOGICAL VALUE OF D-ELEMENTS

A. Semenko, G. Ushakova, O. Hurko EFFECTS OF MELATONIN ON OXIDATIVE STRESS AND DIABETES-INDUCED CHANGES IN KIDNEYS

E. Shynkaruk, Yu. Matsuk, O. Posudiiivska THEORETICAL STUDY OF METHODS OF DRYING VEGETABLES

D. Snobko, G. Sokol, O. Hurko DETERMINING CHARACTERISTICS OF LIVING ORGANISMS WITH CONSIDERATION FOR VIBRATIONAL PROCESSES

S. Syniavskyi, O. Hurko 1,2,3-TRIAZINES: REACTIVITY AND APPLICATIONS

P. Tishchenko, T. Turytska, O. Osadcha DIFFERENCE BETWEEN PHYSICAL REHABILITATION AND PHYSICAL THERAPY

O. Trukhym, T. Turytska, O. Osadcha THE USE OF VIRTUAL REALITY TECHNOLOGIES IN REHABILITATION AS AN IMPORTANT TOOL FOR THE RECOVERY OF PATIENTS

V. Udzhmadzhuridze, O. Lisovets, O. Hurko REVIEW OF CONTROL METHODS FOR AMBROSIA ARTEMISIIFOLIA L.

## **PANEL 2**

### **Topical Issues of Social Sciences and Humanities**

*(DNU, Zoom)*

M. Bilous, K. Kutovyy, O. Osadcha STUTTERING: CAUSES AND THE WAYS TO OVERCOME IT

V. Boiko, V. Kryvoshein, O. Hurko HISTORICAL MEMORY AND PROBLEMS OF NATIONAL SELF-DETERMINATION IN MODERN UKRAINIAN REALIA

N. Boiko, L. Repp LINGUISTIC REPRESENTATION OF THE CONCEPT HEALTH IN THE ENGLISH WORLDVIEW BASED ON THE ENGLISH LEXICOGRAPHIC SOURCES

A. Bolotova, V. Kutiepova-Bredun, H. Mudrenko CHANGES IN FAMILY STRUCTURES

A. Bonhar, R. Velychko, O. Osadcha CHARACTERISTICS OF THE PSYCHO-EMOTIONAL STATE OF AN INDIVIDUAL IN WARTIME

V. Chierniaieva, O. Gudzenko, I. Suima ANTI-CRISIS MANAGEMENT AS A SYSTEM OF ACTIVITIES IN PUBLIC ADMINISTRATION

A. Dudina, R. Velychko, O. Osadcha THE ROLE OF EMOTIONAL INTELLIGENCE IN THE PROCESS OF LEARNING A FOREIGN LANGUAGE USING WEB TECHNOLOGIES

A. Gaidenko, I. Suima PECULIARITIES OF NON-EQUIVALENT TOURIST VOCABULARY TRANSLATION

B. Halchenko, A. Venger, O. Hurko HISTORIOGRAPHIC IMAGES OF HISTORIAN-GERMANIST ANATOLY ZAVYALOV

K. Halich, N. Zymivets, O. Osadcha FEATURES OF COMMUNICATIVE AND SPEECH DEVELOPMENT OF PRESCHOOL CHILDREN

Ye. Hetman, N. Yuzikova IMPACT OF GLOBALIZATION PROCESSES ON ENVIRONMENTAL CRIME

V. Hovorukha, O. Hurko THE RESULTS OF THE PHILANTHROPIC ACTIVITIES OF THE AMERICAN RELIEF ADMINISTRATION IN THE KATERYNOSLAV GUBERNIA DURING THE FAMINE OF 1921-1923



K. Hromtsev, Yu. Honcharova ORGANIZATIONAL CULTURE OF MEDICAL INSTITUTIONS: PECULIARITIES OF FORMATION

Ye. Ivashchenko, N. Styrnik RUSSIAN-UKRAINIAN WAR FROM THE PERSPECTIVE OF INTERNATIONAL PHOTOJOURNALISTS: PERCEPTION AND EXPERIENCE

A. Khamurda, T. Pryshchepa PANICKED ATTACKS DURING WAR: THE IMPACT OF STRESS ON MENTAL HEALTH

D. Kolot, O. Hurko THE INFLUENCE OF DIGITAL DIPLOMACY ON THE POLITICAL PICTURE OF UKRAINE

A. Kondruk QUESITIVES IN THE SPEECH OF A HYPOCRITE

D. Korobko, N. Styrnik EXPLORING THE POTENTIAL FOR UKRAINE'S MOST EFFECTIVE FOREIGN POLICY

O. Korotia, Yu. Honcharova MODERN METHODS OF MANAGING THE STATE DEBT PORTFOLIO

D. Kotliarevskiyi, O. Lahova, O. Novikova THE IMPORTANCE OF STATISTICS IN LEGAL PRACTICE

Y. Kozyr LEXICAL VERBALIZATION OF THE "BEAUTY" CONCEPT IN ADVERTISING TEXTS

S. Kramnoi, K. Berezhna, O. Hurko FUNCTIONS AND POWERS OF INTERNATIONAL INTERGOVERNMENTAL ORGANIZATIONS IN THE FIELD OF INTERNATIONAL CONFLICT RESOLUTION: COMPARATIVE ANALYSIS

D. Kryvorotko, T. Prikhodko, O. Osadcha SPEECH THERAPY IN DIFFERENT AGE GROUPS

V. Kukhar, K. Kutovyi, O. Osadcha COMPETITION FOR INTELLECTUAL SUPREMACY: THE IMPACT OF MODERN TECHNOLOGY ON MENTAL HEALTH

M. Kutsenko, L. Repp STRUCTURAL-SEMANTIC FEATURES OF PHRASES WITH THE COMPONENT "WATER"

A. Kvasha, A. Khodotaiev, O. Hurko ARTIFICIAL INTELLIGENCE AS A POTENTIAL DEVIATION FACTOR DUE TO ITS WIDESPREAD APPLICATION

Z. Limont, O. Khodus, N. Styrnik SOCIAL ADAPTATION OF UKRAINIAN YOUTH ABROAD: OPPORTUNITIES AND LIMITATIONS

D. Lohvyn, L. Bozhukha, Yu. Honcharova TOPICAL ISSUES IN NATURAL LANGUAGE PROCESSING

Y. Marynychuk, O. Hurko THE ISSUE OF TECHNOLOGY AS A WAY OF TRANSCENDING FREEDOM IN THE LATE M. HEIDEGGER'S PHILOSOPHY

A. Melnychuk, I. Suima DIFFICULTIES OF THE MEDICAL TERMS TRANSLATION

S. Minaichenko, N. Styrnik FREE "FOR NOTHING" OR THE FATE OF WOMANHOOD ON THE PAGES OF SIMONE DE BEAUVOIR'S "THE SECOND SEX

K. Miskevych, O. Novikova RECENT TENDENCIES IN THE TRANSLATION OF TECHNICAL TEXTS

D. Mitrofanov, E. Khodchenko, O. Novikova HAMLET IS A BASTARD

P. Olifirova, N. Zymivets, S. Riabovol VALUE ORIENTATIONS AND THE INFLUENCE OF THE FAMILY ON THEIR FORMATION

Z. Prykhodko, O. Hudzenko, S. Riabovol FORMATION OF THE INSTITUTE OF LEADERSHIP IN PUBLIC ADMINISTRATION OF MODERN UKRAINE

A. Rogachova, I. Suima STRUCTURE OF THE ENGLISH MEDICAL TERMS

K. Rusakova, V. Lipina HOW TO DEFINE CHINESE-AMERICAN LITERATURE

O. Savchenko, T. Korniyakova, O. Hurko DEFINITIVE ANALYSIS OF THE CONCEPT OF "PUBLIC ADMINISTRATION"

O. Semeniv, V. Lavrenko, O. Novikova THE NUDE ART IN THE MIDDLE AGES AND RENAISSANCE

M. Shcherbinin, M. Vakarchuk, N. Kaliberda PROBLEMS WITH MODERN SECONDARY EDUCATION IN UKRAINE. OPTIONS FOR SOLVING THESE PROBLEMS

P. Shumliaiev, I. Suima ABBREVIATIONS IN SCIENTIFIC AND TECHNICAL TEXTS

D. Stelmakov, O. Besarab THE STRUGGLE OF UKRAINIAN DISSIDENTS COMPARED TO THE DISSIDENT MOVEMENT OF VACLAV HAVEL

D. Svystun, T. Prykhodko, O. Osadcha COMPARING THE WORK OF SPEECH THERAPISTS IN UKRAINE AND GERMANY

V. Tsymbalov THE PROBLEM OF RELATIVITY OF THEMATIC AND SEMANTIC CLASSES OF MEDICAL VOCABULARY OF AN INTERNATIONAL LANGUAGE

M. Ufimtsev, Y. Brodetskaya, O. Hurko PHILOSOPHICAL UNDERSTANDING OF TRUTH. IS IT POSSIBLE TO RETURN TO THE ORIGINS OF WESTERN EUROPEAN THOUGHT?

E. Viktor, O. Hurko BELIEF AND INTENTIONALITY

D. Zaiets, O. Vysotskyi, O. Hurko AXIOLOGICAL TECHNOLOGY OF PUBLIC DIPLOMACY IN UKRAINE DURING THE FULL-SCALE RUSSIAN-UKRAINIAN WAR

A. Zhdanova, O. Lakhova, Yu. Honcharova THE IMPACT OF GLOBALIZATION ON THE NATURE AND SCOPE OF CRIMINAL OFFENSES

M. Zheliabina, I. Suima POLISEMY AND SYNONYMY OF MEDICAL TERMS

### **PANEL 3**

#### **Modern Research in the Sphere of Socio-Economic Sciences and Information Technologies**

*(DNU, Zoom)*

V. Afanasiev, O. Bilanovskyi, H. Mudrenko BITCOIN HALVING AND ITS IMPACT ON THE PRICE OF BITCOIN AND ALL CRYPTOCURRENCIES IN GENERAL

V. Bovkunov, V. Makedon, O. Bovkunova ACTUALIZATION AND HISTORICAL ORIGINS OF THE COUNTRIES COMPETITIVENESS AROUND THE WORLD

V. Bovkunov, V. Makedon, O. Bovkunova EVOLUTION OF APPROACHES TO DETERMINING THE COMPETITIVE ADVANTAGES OF COUNTRIES

Yu. Davydenko, O. Shevtsova, Yu. Honcharova RELEVANCE OF DOMESTIC GOVERNMENT LOAN BONDS IN TODAY'S CONDITIONS

S. Demyanenko, O. Don, O. Aliseienko FACTORS AFFECTING THE LEVEL OF ECONOMIC FREEDOM IN UKRAINE AND WAYS OF ITS INCREASE

K. Fortuna, T. Fedun, O. Osadcha THE IMPORTANCE OF LOGISTICS IN MODERN BUSINESS

V. Honcharenko, H. Mudrenko INVESTMENT ACTIVITY IN UKRAINE UNDER CONDITIONS OF WAR

A. Horulko, H. Mudrenko EFFICIENCY OF INFLUENCE MARKETING IN MARKETING CAMPAIGNS

D. Ilchak, N. Bondarenko, T. Vorova DEVELOPMENT OF INFORMATION TECHNOLOGIES IN ACCOUNTING AND REPORTING AS A FACTOR OF INCREASING THE COMPETITIVENESS OF ENTERPRISES IN UKRAINE

K. Kirpichova, A. Samoilenko, O. Aliseienko IMPACT OF INFORMATION TECHNOLOGY ON THE DEVELOPMENT OF THE HOSPITALITY INDUSTRY

Y. Koroliuk, A. Kobchenko, T. Vorova THEORETICAL FOUNDATIONS OF PERSONNEL MANAGEMENT IN PRIVATE AGRICULTURAL ORGANISATIONS

K. Krasnonosova, O. Don, O. Aliseienko INFLUENCE OF INTERNATIONAL ORGANIZATIONS ON GLOBAL ECONOMIC DEVELOPMENT

M. Kuzminskyi, S. Kucherenko, A. Kutovyi CHARACTERISTICS OF THE UKRAINIAN AGRICULTURAL PRODUCTS MARKET UNDER THE CONDITIONS OF MARITAL STATE

A. Kuznietsov, O. Spirintseva, T. Vorova EDUCATION EVOLUTION: A COMPARATIVE ANALYSIS OF THE EFFECTIVENESS OF DISTANCE AND TRADITIONAL LEARNING

D. Lisna, Yu. Makarenko, Yu. Honcharova PROBLEMS OF FORMING THE INVESTMENT CLIMATE IN UKRAINE UNDER MARTIAL LAW

A. Mekenia, O. Don, O. Aliseienko MAIN TRADE PARTNERS OF UKRAINE AND FEATURES OF TRADE WITH THEM

N. Onishchuk, H. Mudrenko MODERN PROBLEMS OF DEVELOPMENT OF ECONOMIC ANALYSIS AS A TOOL FOR PERFORMANCE EFFICIENCY

M. Padalka, O. Dzyad, O. Bovkunova MAIN ASPECTS OF THE NATIONAL ECONOMY PROGRAMMING

V. Patlakha, H. Mudrenko RETAIL MARKET TRENDS IN UKRAINE

Ye. Popova, N. Bondarenko, T. Vorova TYPES OF AUDITOR'S REPORT

A. Shostak, O. Mihaylenko, O. Bovkunova WORKING LIFE: IMPROVING QUALITY

V. Slavhorodskyi, H. Mudrenko INFLATION AND PRICE STABILITY

K. Sokolova, H. Mudrenko JUSTIFICATION OF WAYS TO INCREASE THE COMPANY'S PERSONNEL PRODUCTIVITY

D. Starodub, A. Kobchenko, T. Vorova PSYCHOLOGICAL FEATURES OF NEGATIVE EXPERIENCES OF STUDENTS AT PRIMARY SCHOOLS UNDER MARTIAL LAW

A. Udovychenko, O. Shevtsova, Yu. Honcharova FACTORS INFLUENCING THE BUSINESS ACTIVITY OF THE ENTERPRISE

A. Voloshyna, N. Bondarenko, T. Vorova RISK MANAGEMENT IN THE ECONOMIC SECURITY SYSTEM OF THE ENTERPRISE

K. Yermolova, Yu. Honcharova INVESTMENT ATTRACTIVENESS OF THE COMPANY

## PANEL 4

### **Actual Problems of Engineering and Technical Sciences and Modern Information Technologies**

*(DNU, Zoom)*

V. Alekseenko, V. Bucharskiy, O. Hurko REVIEW OF MODELS FOR SELF-PRESSURIZING PROPELLANT TANK DYNAMICS

S. Asmolovskiy, B. Yurkov, O. Hurko OPTIMIZATION OF THE ACCUMULATOR TANK FILLING MODES OF THE XENON FEED SYSTEM FOR ELECTRIC PROPULSION SYSTEM

B. Bakun, T. Nosova, N. Kaliberda BIOPOLYMER NANOCOMPOSITES FOR THERMAL SHIELDS OF METEOROLOGICAL ROCKETS

B. Bondarenko, T. Pavlova, M. Sidorova, Yu. Honcharova APPLICATION OF VIRTUAL REALITY IN THE DEVELOPMENT OF FITNESS APPLICATIONS

V. Chalova, A. Davydova, N. Kaliberda OPTIMIZATION OF MANUFACTURING PROCESSES AND STRATEGIES FOR INCREASING THE FREQUENCY OF LAUNCHING ROCKETS

B. Cherniavskiy, D. Chernetchenko, O. Hurko COMMUNICATION USING MULTI-FACTOR ENCRYPTION WITH SECOND FACTOR VARIATIONS

M. Dalik, T. Kadilnikova, O. Hurko SELECTION OF VIBRATION PROTECTION FOR ROBOTIC PLATFORMS

A. Davydova, S. Davydov, O. Bovkunova THE ROLE OF ARTIFICIAL INTELLIGENCE IN THE DEVELOPMENT OF THE AEROSPACE INDUSTRY

O. Derets, N. Kaliberda DIRECTIONS OF APPLICATION OF ARTIFICIAL INTELLIGENCE IN EDUCATIONAL PROCESSES

G. Diadchenko, T. Nosova, N. Kaliberda ACOUSTICAL BIMATERIALS AND PROSPECTS FOR THEIR APPLICATION IN THE ROCKET INDUSTRY

D. Doroshenko, R. Bilichenko, N. Kaliberda COLLATZ'S HYPOTHESIS: FROM SIMPLICITY TO MYSTERY

V. Haidara, V. Khandetskiy, T. Vorova THE TRANSFORMATIVE POWER OF 5G TECHNOLOGIES IN TELECOMMUNICATIONS AND WIRELESS COMPUTER NETWORKS

N. Horlovyi, O. Biloborodko, A. Kutovyi DEVELOPMENT OF A WEB APPLICATION TO MONITOR AND SUPPORT THE ACTIVITIES OF VOLUNTEER ORGANISATIONS AND FOUNDATIONS

D. Hruzyn, O. Lytvynov, O. Hurko METHODS FOR OPTIMIZING THE LOADING AND UPDATING OF WEB PAGES USING CLOUD TECHNOLOGIES

N. Hryhorenko, S. Karpenko, N. Kondratiuk, O. Posudiiievaska DEVELOPMENT OF TECHNOLOGIES FOR NON-ALCOHOL AND LOW-ALCOHOL BEVERAGES CONTAINING FRUIT JUICES AND VITAMIN AND MINERAL COMPLEXES

O. Ivanova, I. Skril, O. Osadcha INFUSION OF ARTIFICIAL INTELLIGENCE (AI) INTO ECONOMY: ANALYSIS OF CURRENT TRENDS

O. Koliada, K. Panin, N. Kaliberda WHAT WILL REPLACE Wi-Fi IN THE FUTURE?

Yu. Kravchenko, N. Kozakova, T. Pryshchepa MODERN SCIENTIFIC PROBLEMS OF CYBER SECURITY

M. Lenskyi, H. Mykhalchuk, Yu. Honcharova AN EXACT GPU-ACCELERATED ALGORITHM FOR THE SUBSET SUM PROBLEM

M. Lytvynov, O. Lytvynov, V. Khandetsky, O. Hurko ON MIGRATION OF LEGACY HOSPITAL INFORMATION SYSTEM TO DOMAIN-DRIVEN ARCHITECTURE

K. Maksymenko, R. Bilichenko, N. Kaliberda ADVANTAGES AND DISADVANTAGES OF ARTIFICIAL INTELLIGENCE

R. Mandziuk, M. Khorolskyi, O. Hurko RELEVANCE OF UPGRADING THE TACTICAL AND TECHNICAL CHARACTERISTICS OF THE MEANS OF DEFEAT

V. Marchenko, S. Antonenko, A. Kutovyi DEVELOPMENT OF SMART CITIES IN UKRAINE

A. Martynenko, Yu. Mitikov, N. Kaliberda POSSIBILITIES TO INCREASE ENERGY EFFICIENCY LRE WITH THE HELP OF ADDITIVES

A. Musiienko, M. Andreev, K. Shevchyk USING THE VITE TOOL FOR FAST AND PRODUCTIVE DEVELOPMENT OF WEB APPLICATIONS BASED ON THE REACT LIBRARY

Y. Myhovych, S. Klymenko, I. Karpovych, O. Hurko ADVANCES IN EFFECTIVE TENSION CONTROL AND OPTIMIZATION TECHNIQUES IN FILAMENT WINDING OF POLYMER COMPOSITE MATERIALS

O. Nahomyi, V. Gerasymov, T. Vorova EFFECTIVE DEPENDENCY MANAGEMENT IN SCALABLE PROGRAMMING PROJECTS

N. Nomerchuk, T. Prokofiev, O. Hurko OPTIMIZATION OF EXPONENTIAL FUNCTION COMPUTATION IN JAVA USING LINEAR INTERPOLATION METHOD

S. Orlov, T. Nakonechna, Yu. Honcharova MODERN METHODS OF ADDITIVE MANUFACTURING OF THREE-DIMENSIONAL OBJECTS BASED ON FUGO TYPE PRINTER

S. Petrova, T. Leskevich, N. Kaliberda USE OF CRITICAL THINKING TECHNOLOGIES IN TEACHING MATHEMATICAL DISCIPLINES

M. Potapov, O. Drobakhin, O. Hurko LAYERED DIELECTRIC STRUCTURE FOR MICROWAVE WIRELESS POWER TRANSMISSION SYSTEMS

R. Pylypenko, S. Klymenko, N. Kaliberda MAJOR GLOBAL SATELLITE NAVIGATION SYSTEMS, ROLE AND CHALLENGES

V. Riabovolenko, O. Baybuz, Yu. Honcharova DOCKER AS A MEANS OF LOAD BALANCING

V. Sarancha, O. Verba, A. Kutovyi ARTIFICIAL INTELLIGENCE (AI) IN CYBERSECURITY: KEY ASPECTS AND CHALLENGES

Yu. Shatova, H. Mudrenko USE OF BLOCKCHAIN TECHNOLOGIES IN MODERN ENGINEERING PROJECTS

I. Sklyarskiy, A. Sanin CRITERIA FOR SELECTING POLYMERIC MATERIALS

B. Sobchuk, S. Klymenko, N. Kaliberda THE UNCANNY VALLEY EFFECT OR HOW OUR BRAIN PERCEIVES ROBOTS

S. Stupak, O. Verba, A. Kutovyi ETHICS IN THE ERA OF ARTIFICIAL INTELLIGENCE

K. Sukovenko, S. Klymenko, O. Hurko INFORMATION TECHNOLOGY FOR DECISION SUPPORT IN VIDEO SURVEILLANCE AND MONITORING TASKS

M. Vnukova, R. Bilichenko, N. Kaliberda PRODUCTION AND TECHNOLOGICAL PROCESSES IN MECHANICAL ENGINEERING

A. Volk, P. Dziuba, T. Pryshchepa CURRENT ISSUES OF VIRTUAL REALITY IN VARIOUS SPHERES OF HUMAN ACTIVITY