

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 II 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 11, 2023

Dnipro
2023

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Olena Osadcha – Senior 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 11, 2023.

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. Smart city: global experience

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

2. The psychological impact of colors in marketing

Anastasia Albatova – a student of the Faculty of Economics of Oles Honchar Dnipro National University

3. Posthumanist discourse in modern humanities studies

Anton Kutovyi – a postgraduate student of the Faculty of Ukrainian and Foreign Philology and Study of Arts of Oles Honchar Dnipro National University

4. The uncanny valley effect and its manifestation in modern culture

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

5. The role of super-resolution ability in the sphere of information technologies

Volodymyr Haidara – a student of the Faculty of Physics, Electronics and Computer Systems of Oles Honchar Dnipro National University

6. Comparative characteristics of ethyl 4-nitrobenzoate synthesis methods

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

7. The influence of foreign fashion magazines on Katerinoslav fashionistas during the “Belle époque”

Anna Bychykhina – a student of the Law Faculty of Oles Honchar Dnipro National University

PANEL 1

Modern Studies in the Sphere of Natural Sciences

(DNU, Zoom)

M. Bondarenko, S. Kopteva, O. Posudiiivska THE USE OF ANABOLIC STEROID DRUGS IN SPORTS AND EVERYDAY LIFE

G. Diadchenko, V. Shchevtsov, N. Kaliberda PROACTIVE WAYS TO STRUGGLE WITH GLOBAL WARMING

V. Dubrovin, V. Gavrilyuk, O. Osadcha WAYS TO OVERCOME THE RESISTANCE OF MICROBES TO ANTIBIOTICS

L. Filins'kyi, O. Drobakhin, O. Hurko EXPERIMENTAL SETUP FOR THE STUDY OF LIQUID FOAMS

D. Halapsis, T. Khodanen, N. Kaliberda STABLE ATMOSPHERIC PLASMA OVERVIEW

O. Inkin, V. Bilozorov, Yu. Honcharova USING NEURAL NETWORK MODELING FOR THE DIAGNOSIS OF EPILEPSY BASED ON ELECTROENCEPHALOGRAM RHYTHMS

V. Khandoga, I. Alekseenko, O. Hurko PROCESSUAL FEATURES OF THE DIVORCE PROCEDURE

S. Khrychov, E. Chernushenko, O. Posudiiivska INFLUENCE OF BIOGENIC ELEMENTS ON STUDENTS' LIVING PRODUCTIVITY

I. Kolesnykov, A. Kabar, O. Hurko FINDINGS OF EPILITHOUS LICHENS ON THE CRYSTALLINE OUTFITS OF THE LOCAL SIGNIFICANCE BOTANICAL RESERVOIR "BALKA ZMEYINA" (DNIPROVSK DISTRICT, DNIPROPETROVSK REGION)

L. Kondratenko, K. Matorina, O. Posudiiivska ELECTRO-ANALYTICAL PROPERTIES OF SENSORS FOR DETERMINATION OF VITAMIN B6

S. Kondratko, Yu. Matsuk, O. Posudiiivska DEVELOPMENT OF PRODUCTION TECHNOLOGY OF CEREAL BARS OF FUNCTIONAL PURPOSE WITH INCREASED CONTENT OF BIOLOGICALLY ACTIVE SUBSTANCES

T. Linko, L. Sydorova, O. Posudiiivska IDENTIFICATION AND QUANTIFICATION OF THE TOTAL CONTENT OF VITAMIN D (D₂+D₃) BY IMMUNOENZYMATIC METHODS

Y. Lomynoha, V. Kiselev, P. Zadorozhnii, I. Oleshkevich DEVELOPMENT OF A NEW SYNTHESIS METHOD OF 4H-1,3,5-OXADIAZINE DERIVATIVES

D. Lukianenko, I. Zubareva, O. Osadcha RELEVANCE OF PRODUCTION OF ENZYME PREPARATION "MACEROBACILIN G3X"

V. Pavlova, P. Zadorozhnii, I. Oleshkevich SYNTHESIS OF N-(2,2,2-TRICHLORO-1-((5-(ARYLAMINO)-1,3,4-THIADIAZOL-2-YL)AMINO)ETHYL)CARBOXAMIDES

E. Prudko, O. Lachova, O. Besarab CORRUPTION AS A SOCIO-LEGAL PHENOMENON

S. Pustilnik, V. Polonskyi, O. Posudiiivska COMPOSITE COPPER–ORGANIC MICROPOWDERS

A. Romanovska, S. Kopteva, O. Posudiiivska CLICK CHEMISTRY

Y. Shevtsova, L. Borshcheych, O. Posudiiivska ELECTROCHEMICAL DEPOSITION OF COBALT ON COPPER SURFACE FROM PERCHLORATE SOLUTION WITH ADDITION OF METHANOIC ACID

L. Simakova, V. Manyuk, O. Posudiiivska GEOLOGICAL STRUCTURE AND MINERALS OF THE DONBASS FOLDBELT

V. Stoliarchuk, O. Zolotko, O. Posudiiivska EXPERIMENTAL STUDY OF METHODS OF INCREASING THE EFFICIENCY OF A DIRECT-FLOW AIR-JET DETONATION ENGINE

Yu. Tsvietaieva, Yu. Dzuba, O. Tsvietaieva MODERN CONCEPTS ON THE PATHOGENESIS OF UTERINE FIBROIDS

K. Tymoshenko, V. Palchykov, O. Hurko FERROCENYL COMPOUNDS IN THE PHOTOCHEMICAL REACTIONS

PANEL 2

Topical Issues of Social Sciences and Humanities

(DNU, Zoom)

Z. Bartůška, N. Styrnik HUSSITE REVOLUTION IN HRADEC KRÁLOVÉ

A. Chumak, O. Dysa, O. Hurko PSYCHOLOGICAL FEATURES OF THE TRANSFORMATION OF SPEECH BEHAVIOR NORMS AMONG UKRAINIANS DURING CRISIS EVENTS

A. Fleisher, I. Tonkoshkur, S. Riabovol SELF-LEARNING STRATEGIES FOR UNIVERSITY STUDENTS

I. Goryachov, Y. Kobruiseva, O. Hurko HISTORICAL AND NORMATIVE ANALYSIS OF THE GENESIS OF BODIES IN THE FIELD OF ADMINISTRATIVE AND LEGAL REGULATION OF THE PATENTING PROCEDURE IN UKRAINE

V. Havshchuk, Yu. Honcharova MALADAPTIVE DAYDREAMING AND ITS IMPACT ON LIFE

Ye. Hordiienko, S. Riabovol FEATURES OF TRANSLATION IN THE SPHERE OF DIPLOMACY

Y. Ihnatenko, E. Berezhnaya, O. Hurko THE CONVENTION ON THE PROTECTION OF HUMAN RIGHTS AND FUNDAMENTAL FREEDOMS AS THE NORMATIVE AND LEGAL BASIS OF THE ECHR'S ACTIVITIES

K. Kahramanian, I. Alekseenko, O. Hurko THE ISSUE OF INTERNATIONAL LEGAL GUARANTEES REGARDING THE IMPLEMENTATION OF HUMAN SOCIAL RIGHTS IN UKRAINE

A. Kaliberda, R. Dolinski, N. Kaliberda THE MAIN CONCEPTS OF EXISTENTIAL PSYCHOTHERAPY

M. Kharharova, O. Besarab MORAL CULTURE AS AN IMPORTANT ASPECT OF THE PROFESSIONAL ACTIVITY OF A LAWYER

A. Kondruk A TACTIC OF DISTRACTING ATTENTION AS ONE OF THE TACTICS OF A HYPOCRITE

I. Kotov, O. Besarab CURRENT PROBLEMS OF THE SOCIAL AND HUMANITARIAN SCIENCES

V. Kozina, V. Isachenko, O. Osadcha SENSORY EDUCATION AS A MEANS OF CORRECTING VIOLATIONS OF CHILDREN'S SOUND PRONUNCIATION

Ye. Kozyr, O. Hurko THE SPECIFIC FEATURE OF VERBALIZING THE CONCEPT OF BEAUTY IN LITERARY TEXT

V. Krupoder, O. Kolomoyets, O. Novikova WINTER CYCLE OF CALENDAR HOLIDAYS AND RITES IN UKRAINE

A. Kubash, N. Styrnik "ONE BELT ONE ROAD" AS A TOOL OF CHINA'S GEOPOLITICS

A. Lashko, N. Hrysenko, H. Mudrenko SEXUAL EDUCATION OF PRESCHOOL CHILDREN

V. Maitala, O. Solon'ko, M. Irchyshyna GAMING SLANG WORDS OF ENGLISH ORIGIN

D. Maksymova, N. Hrysenko, O. Osadcha CONFLICT PROBLEM: THE REASONS FOR ITS OCCURRENCE AND THE WAYS OF ITS PREVENTION DURING COMMUNICATION

K. Malakhova, V. Dolganin, M. Irchyshyna FOREIGN LANGUAGE IN PROFESSIONAL TRAINING OF POLICE OFFICERS

A. Maruschak, N. Hrysenko, O. Osadcha THE INFLUENCE OF MASS MEDIA ON THE HEALTH AND PSYCHE OF CHILDREN

S. Mitlytska, Y. Borysova, O. Osadcha PREVENTION OF CHILD SEXUAL ABUSE AS A TOPICAL AREA OF SOCIAL WORK

S. Novikova, Yu. Honcharova STATE ANXIETY AND TRAIT ANXIETY AS ACUTE PROBLEMS OF CONTEMPORANEITY

P. Olifirova, N. Hrysenko, O. Osadcha THE INFLUENCE OF SOCIETY ON THE DEVELOPMENT OF EATING DISORDER IN ADOLESCENCE

V. Parkhuts, T. Zavorotchenko, O. Hurko CONSTITUTIONAL MECHANISM OF SEPARATION OF POWERS IN UKRAINE

A. Potoroka, R. Velychko, H. Mudrenko SOME ASPECTS OF THE PROBLEM OF PSYCHOLOGICAL EFFECTS OF SLEEP DEPRIVATION

O. Semeniv, O. Kolomoyets, O. Novikova NORMS OF MARRIAGE IN THE PERIOD OF KYIVAN RUS'

M. Sharudina, O. Prikhodko, O. Osadcha THE PROCESS OF INTEGRATION OF UKRAINIAN REFUGEES (PRACTICES OF SWITZERLAND)

A. Shpachynska, Y. Riabchemko, O. Osadcha PROBLEMS OF MASS MEDIA REGULATION

P. Shylo, O. Lahova, O. Novikova ENGLISH AS A CONSTITUENT OF THE HUMANITARIAN AND PROFESSIONAL EDUCATION OF LAW STUDENT

V. Tsymbalov, O. Hurko SPECIFICITY OF RESEARCHING INDIAN LANGUAGES MEDICAL VOCABULARY

V. Vorobyov, O. Sokolenko, O. Hurko PECULIARITIES OF THE IMPLEMENTATION OF ACTIVITIES OF STATE AUTHORITIES DURING THE INTRODUCTION OF MARTIAL LAW

D. Vozna, A. Solnyshkina, O. Osadcha SEX BUSINESS REGULATION MODELS: WORLD EXPERIENCE

A. Yablunovskyi, O. Khodus, O. Hurko THE LINGUISTIC FACTOR OF UKRAINIAN NATIONAL IDENTITY: FEATURES OF TRANSFORMATION

S. Yakovliev, L. Mudryevska, O. Hurko RESTRICTIONS OF HUMAN AND CITIZEN RIGHTS AND FREEDOMS UNDER THE CONDITIONS OF MARITAL STATE

PANEL 3

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

(DNU, Zoom)

A. Boiko, D. Korbut, T. Vorova DISTRIBUTION OF INCOME IN CANADA

V. Bovkunov, V. Makedon, O. Bovkunova REASONS FOR THE UPDATING AND HISTORICAL ORIGINS OF THE COMPETITIVENESS ISSUE OF THE COUNTRIES ALL OVER THE WORLD

V. Bovkunov, V. Makedon, T. Vorova THE INFLUENCE OF INTEGRATION PROCESSES ON THE COMPETITIVENESS OF THE COUNTRY'S NATIONAL ECONOMY

P. Forkert, M. Sydorova, Yu. Honcharova MODERN ARCHITECTURE OF DYNAMICALLY TYPED PROGRAMMING LANGUAGE VMS

B. Garazha, O. Baylova, O. Aliseienko THE ROLE OF PLANNING IN BUSINESS ACTIVITY

A. Horulko, N. Krasnikova, H. Mudrenko APPLICATION OF PERSONALIZATION, PERSONIFICATION AND CUSTOMIZATION IN ENTERPRISE E-MARKETING

Y. Hurtovyi, R. Ivanov, Yu. Honcharova ANALYSIS OF THE MAIN TRENDS OF DAIRY MARKET DEVELOPMENT IN THE CONTEXT OF THE COUNTRY'S ECONOMIC SECURITY

K. Krasnonosova, O. Don, O. Aliseienko UKRAINE'S COOPERATION WITH THE UN

K. Krasnova, N. Riadova, T. Vorova ECONOMIC UPS AND DOWNS

A. Lozovskyi, A. Kuzenkov, Yu. Honcharova ALGORITHMS FOR SOLVING LOGISTICS PROBLEMS UNDER CONDITIONS OF UNCERTAINTY

S. Martemianova, O. Baylova, O. Aliseienko MODERN RESEARCH IN THE FIELD OF SOCIO-ECONOMIC SCIENCES AND INFORMATION TECHNOLOGIES

A. Mekenia, O. Don, O. Aliseienko COOPERATION OF UKRAINE WITH THE INTERNATIONAL FINANCIAL CORPORATION

M. Moroz, O. Ivanchenko, O. Posudiiievska THE ROLE OF INVERSE MATRIX IN MODERN LIFE

Y. Palash, L. Gordeeva-Gerasimova, O. Aliseienko SOCIALLY RESPONSIBLE BUSINESS

K. Savchenko, O. Bobyr, H. Mudrenko FOREIGN AFFAIRS OF UKRAINE

Y. Shatova, T. Smyrnova, H. Mudrenko INSTAGRAM ENGAGEMENT TOOLS FOR BRAND PROMOTION

A. Sologub, O. Bobyr, H. Mudrenko THE IMPACT OF SOCIAL MEDIA ON THE DEVELOPMENT OF SMALL AND MEDIUM-SIZED BUSINESSES

Ya. Tarnovetska, O. Bobyr, H. Mudrenko RESEARCH ON FINANCIAL AND ECONOMIC INDICATORS OF DOMESTIC BUSINESS UNDER THE CONDITIONS OF THE MILITARY STATE

O. Verbonol, N. Duchinska, O. Aliseienko APPLICATION OF DIGITAL TECHNOLOGIES IN CITY MANAGEMENT: PROS AND CONS

M. Yakymets, O. Bovkunova INTERNATIONAL BUSINESS AND INTERNATIONAL MANAGEMENT: FEATURES OF RELATIONSHIPS

PANEL 4

Actual Problems of Engineering and Technical Sciences and Modern Information Technologies

(DNU, Zoom)

S. Arakelov, A. Davydova, N. Kaliberda LUNAR PROGRAMME – A LOOK THROUGH THE YEARS

B. Bakun, V. Shevtsov, N. Kaliberda BASIC PRINCIPLES OF BEES' AND BUTTERFLIES' FLIGHT

A. Davydova, V. Shevtsov, O. Bovkunova CYBER SECURITY OF THE COUNTRY IS A MODERN CHALLENGE

I. Dolotov, N. Guk, Yu. Honcharova GRAPH REPRESENTATION OF WEBSITE STRUCTURE: MODEL AND ALGORITHM

D. Doroshenko, R. Bilichenko, N. Kaliberda “HOW TO BECOME A MILLIONAIRE?” OR THE SEVEN PROBLEMS OF THE MILLENNIUM

A. Dubrovina, O. Nikishyna, T. Pryshchepa REVOLUTIONIZING
HEALTHCARE: THE TRANSFORMATIVE POWER OF AI IN MEDICINE

M. Dzhenkova, A. Sheveleva, Yu. Honcharova RESEARCH METHODS FOR
MODELING THE AUTOMATIC SYSTEM OF DYNAMIC TRAFFIC
REGULATION

O. Filat, O. Kiseleva, Yu. Honcharova EFFICIENT SET SEGMENTATION
USING CLUSTERING ALGORITHMS FOR NETWORK TRAFFIC ANALYSIS

V. Haidara, O. Bovkunova THE ROLE OF ARTIFICIAL INTELLIGENCE,
MACHINE LEARNING AND NEURON NETWORKS IN THE SPHERE OF
SOCIO-ECONOMIC SCIENCES AND INFORMATION TECHNOLOGIES

Ya. Honcharov, T. Zaitseva, Yu. Honcharova METHODS OF MODELING
CONTACT OF ELASTIC BODIES

D. Ivashchev, V. Gerasymov, O. Hurko THE COMPATIBILITY OF CODE
WRITTEN IN C# AND C++

K. Kibalnik, R. Yecha, N. Kondratiuk, O. Posudiiivska NEW FOOD PRODUCTS
IN THE COMBAT OF DIABETES

O. Kostenko, O. Kuzenkov, Yu. Honcharova THE MAIN TRANSPORT
PROBLEMS

Y. Kravchenko, N. Segeda, T. Pryshchepa ADVANTAGES AND
DISADVANTAGES OF ARTIFICIAL INTELLIGENCE

Y. Kuramshyn, M. Bezdienezhnykh, T. Kyrpyta THE WAYS TO IMPROVE
PERFORMANCE OF ELECTRIC ENERGY RECUPERATORS

D. Lebediev, O. Kiseleva, Yu. Honcharova APPLYING OPTIMIZATION
THEORY TO BUILDING FUZZY VORONOI DIAGRAMS

N. Mitikov, N. Guk, Yu. Honcharova REAL-WORLD EXAMPLE OF APPLICATION PERFORMANCE ANOMALY DETECTION THROUGH MEMORY ANALYSIS

A. Molchanov, V. Kuzmenko, Yu. Honcharova INVERSE PROBLEMS OF REPRODUCING OF PHYSICAL AND MECHANICAL FIELDS IN INACCESSIBLE REGIONS

F. Mostovyi, N. Guk, Yu. Honcharova MODELING OF GENERATIVE RECOMMENDATION SYSTEMS

A. Nesterov, M. Pojarskii, O. Posudiiievska MODELLING OF CHEMICAL AND TECHNOLOGICAL PRODUCTION PROCESS OF FERROCENE CARBOXYLIC ACID

O. Olevskiy, O. Drobakhin, Yu. Honcharova SEGMENTATION METHODS FOR IMPROVEMENT OF THE PRONY'S METHOD RELIABILITY FOR NOISY SIGNALS

V. Orlenko, N. Kondratiuk, S. Riabovol ANALYSIS OF FOOD PREFERENCES OF THE X, Y, Z GENERATIONS

S. Petrova, T. Leskevich, N. Kaliberda STEAM-EDUCATION IS A PROMISING AREA FOR THE DEVELOPMENT OF ENGINEERING AND TECHNICAL SCIENCES

A. Polyakov, N. Zamova, T. Vorova DESIGN AND REUSE CYCLES

Y. Polyvanov, N. Kondratiuk, O. Hurko HYDROGELS IN THE CHEMICAL, PHARMACEUTICAL AND FOOD INDUSTRIES

D. Rak, S. Davydov, N. Kaliberda DIGITALIZATION PROCESSES IN THE MODERN WORLD

M. Shevchenko, V. Makedon, O. Bovkunova DEVELOPMENT OF A METHOD FOR CONSTRUCTION OF INFORMATIONAL FUNCTIONALLY ORIENTED MODELS OF AN ENTERPRISE

M. Shevchenko, V. Makedon, O. Bovkunova POSSIBILITIES OF RESEARCH OF INFORMATION CARRIERS WHILE UNAUTHORIZED ACCESS TO EDS KEYS

O. Stupakov, N. Kondratiuk, S. Riabovol WAYS OF REDUCING CARCINOGENS IN SMOKED FOOD

O. Tsukanov, V. Koval, N. Kaliberda ARTIFICIAL INTELLIGENCE – A FRIEND OR FOE FOR HUMANS?

A. Yemets, T. Hodanen, N. Kaliberda CHALLENGES HUMANS HAVE FACED IN SPACE EXPLORATION