

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 IV All-Ukrainian Scientific and Practical Conference
of Young Scholars and Higher Education Applicants

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

Dnipro, May 15, 2025

Dnipro
2025

ORGANISATIONAL COMMITTEE

Head of organisational committee:

Sergiy Okovytyy – Rector of Oles Honchar Dnipro National University, Doctor of Chemical Sciences, Professor, Honoured Worker of Science and Technology of Ukraine, Distinguished Educator of Ukraine, Corresponding Member of the National Academy of Sciences of Ukraine.

Co-heads of organisational committee:

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;

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.

Executive secretary:

Olha Posudiievska – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities.

Technical secretary:

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

EDITORIAL BOARD

Members of editorial board:

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;

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

Olena Besarab – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities;

Yulia Honcharova – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities;

Olha Posudiiivska – 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;

Iryna Suima – Candidate of Philological Sciences, Associate Professor of the Department of English Language for Non-Philological Specialities;

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

Olena Osadcha – Senior Lecturer of the Department of English Language for Non-Philological Specialities;

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 15, 2025.

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. Formation of cultural identity

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

2. Geo-economic parameters of diversification of commercial cooperation in Latin America and the Caribbean in 1960-1980

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

3. Handling stress in EFL class in higher school during the war

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

4. Ukrainian spirituality in times of crisis

Polina Zhenikhova – a student of the Faculty of Medical Technologies of Diagnostics and Rehabilitation of Oles Honchar Dnipro National University

5. An aspect in formal logic interpretation

Olexander Makaida – a student of the Faculty of Global and Development Studies of Jagiellonian University, Krakow, Poland

6. Modern methods of forming crystals

Lev Safonov – a student of the Faculty of Chemistry of Oles Honchar Dnipro National University

PANEL 1

Modern Studies in the Sphere of Natural Sciences

(DNU, Zoom)

E. Berezska, N. Kuragina, O. Osadcha BILE ACID METABOLISM AND GUT MICROBIOME: A KEY TO INTESTINAL HEALING AND INFLAMMATORY BOWEL DISEASE THERAPY

A. Bershak, S. Kopteva, O. Posudiiivska METHODS FOR SYNTHESIS OF 1,4-BENZODIAZEPINES

A. Cherhyk, N. Kurahina, O. Osadcha THE ROLE OF NON-CODING RNAs IN DISEASE DEVELOPMENT

A. Faizulin, O. Shugurov, O. Hurko ACTIVATION OF AQUARIUM FISHES ABILITIES FOR LEARNING AND REFLECTION

V. Halchenko, A. Kabar PROSPECTS FOR THE INTRODUCTION OF DRACOCEPHALUM MOLDAVICA IN THE STEPPE DNIEPER REGION

Yu. Homik, K. Lavrentieva, O. Osadcha THE PROBLEM OF BACTERIAL ANTIBIOTIC RESISTANCE: CAUSES AND WAYS TO OVERCOME IT

T. Huliaieva, T. Denysenko, O. Posudiiivska HIDDEN DANGER OF DETERGENTS

S. Ishchenko, T. Denysenko, O. Posudiiivska CAFFEINE IN DRINKS: BENEFITS AND HARMS

A. Kaliberda, R. Dolinski, N. Kaliberda GENE THERAPY AND LEBER CONGENITAL AMAUROSIS

A. Koloskova, O. Voronkova, O. Osadcha MODERN METHODS OF TUBERCULOSIS DIAGNOSIS IN UKRAINE

M. Kulinich, Yu. Matsuk, O. Posudiiivska IMPROVING SOUR CREAM TECHNOLOGY USING COCOA POWDER

K. Maliiev, K. Holoborodko, O. Hurko CHARACTERISTICS OF FUNGI DISTRIBUTION OF THE GENUS THYROSTROMA (HÖHN., 1911) IN THE STEPPE ZONE OF UKRAINE

V. Melnichuk, T. Ostanina, O. Osadcha VARIETY OF EQUIPMENT IN REHABILITATION

M. Nedotopa, T. Ostanina, O. Osadcha REHABILITATION FOR UKRAINIAN SOLDIERS WITH AMPUTATION

V. Nevidomy, N. Parfinovych, O. Novikova BEST RELATIVE APPROXIMATIONS OF CLASSES OF DIFFERENTIABLE FUNCTIONS DEFINED ON THE REAL AXIS

O. Parfonov, A. Lyashkov MODELING OF CURRENT-VOLTAGE CHARACTERISTICS OF HETEROGENEOUS OXIDE SYSTEMS

S. Roitman, T. Sklyar, O. Osadcha BACTERIOPHAGES AS AN OBJECT OF BIOTECHNOLOGY

A. Sabanskyy, K. Holoborodko USE OF VEGETATION INDICES FROM DRONE-ACQUIRED MULTI-SPECTRAL IMAGERY FOR ASSESSING PHOTOSYNTHETIC ACTIVITY OF ROBINIA PSEUDOACACIA

P. Tishchenko, O. Vinnyk, O. Osadcha THE ROLE OF FAMILY MEMBERS IN CARING FOR DEPENDENT INDIVIDUALS

O. Trukhym, O. Vinnyk, O. Osadcha THE PROBLEM OF EMOTIONAL BURNOUT AMONG MEDICAL STAFF IN UKRAINE

D. Vertash, O. Kositsyna, O. Posudiievska CALCULATION SOLUBILITY PARAMETERS OF THE POLY(URETHANE-SEMICARBAZIDES) ON THE BASIS OF PYRIDINE DERIVATIVES

V. Yavtushenko, A. Lyashkov APPLICATION OF POLYMER COMPOSITE AND CERAMIC MATERIALS FOR ELECTRICAL PROTECTION OF SOLAR PANELS

V. Yesipova, O. Donets, Yu. Honcharova PSYCHOLOGICAL ANALYSIS OF THE CONCEPT OF "IDENTITY"

D. Yevdakha, A. Lyashkov PROMISING DIRECTIONS FOR OPTIMIZING GAS SENSORS BASED ON NANOSCALE OXIDE MATERIALS

V. Zaitsev, I. Dregval, O. Hurko THE FUNCTIONAL STATE OF BLOOD CELLS IN CYPRINID FISH AS A TOOL FOR EARLY DETECTION OF AQUATIC ECOSYSTEM POLLUTION (BASED ON THE KYIV RESERVOIR CASE)

PANEL 2

Topical Issues of Social Sciences and Humanities

(DNU, Zoom)

O. Anisova, K. Berezhna, O. Besarab CONCEPTUAL INCONSISTENCY IN THE DEFINITION OF INTERNATIONAL COMMERCIAL ARBITRATION IN UKRAINIAN AND INTERNATIONAL LAW

V. Bazhyn, V. Boiko, O. Hurko COMPETENCY-BASED APPROACH IN CONTEMPORARY SOCIOLOGY OF EDUCATION

Y. Bed, O. Hurko VERSIFICATION OF WILLIAM BLAKE'S POEM "THE BLOSSOM"

D. Boborykin, O. Hurko SEMANTIC UNCERTAINTY OF CONCEPTS OF "PEACE" AND "NEGOTIATIONS" IN TIMES OF MILITARY CONFLICTS

A. Bolivar, N. Styrnik STRENGTHENING ENGLISH LANGUAGE PROGRAMMES IN VENEZUELA

A. Bonhar, R. Velychko, O. Osadcha THE ROLE OF STRESS IN HUMAN LIFE AND EFFECTIVE METHODS OF SELF-HELP: A THEORETICAL ANALYSIS

V. Bukreieva, Z. Bondarenko PECULIARITIES OF USING INQUIRY-BASED LEARNING TECHNOLOGY IN PRIMARY SCHOOL

V. Bukreieva, O. Marchenko, O. Hurko TYPES OF ENVIRONMENTAL INFORMATION UNDER UKRAINIAN LEGISLATION

M. Chalykh, O. Donets, Yu. Honcharova NARCISSISTIC ABUSE AS A SPECIFIC FORM OF VIOLENCE IN RELATIONSHIPS

V. Chaus, H. Mudrenko STEM EDUCATION AS A MEANS OF DEVELOPING SPATIAL ORIENTATION SKILLS OF CHILDREN WITH INTELLECTUAL DISABILITIES

S. Chebotarov, H. Mudrenko THEORETICAL ANALYSIS OF PROCRASTINATION

Y. Demianushko, O. Dysa, O. Aliseienko CHALLENGES OF SOCIAL AND PSYCHOLOGICAL ADAPTATION OF REFUGEES WITH CHILDREN

K. Halich, N. Zimivets, O. Osadcha USAGE OF AI IN SPEECH DEVELOPMENT OF PRESCHOOL CHILDREN

Y. Havrylov, O. Nikilev THE TRANSFORMATION OF THE TERM "AIR CLUB" IN HISTORICAL CONTEXT

S. Hemay, Y. Borysova, O. Osadcha CORPORATE SOCIAL RESPONSIBILITY IN THE CONTEXT OF WAR IN UKRAINE

K. Hetman, S. Stavchenko, O. Hurko DELIBERATIVE AND AGONISTIC TECHNOLOGIES OF POLITICAL CONSENSUS FORMATION

Y. Hladyshko, V. Okorokov, O. Hurko LANGUAGE AS A BEARER OF TRUTH IN ALAIN BADIOU'S POSTCLASSICAL PHILOSOPHY

O. Hlazunov, V. Myronenko TRANSFORMATION OF MEDIA CONTENT CREATION UNDER THE INFLUENCE OF INFORMATION AND COMMUNICATION TECHNOLOGIES

M. Hnatenko, N. Yuzikova CRIMES AGAINST HUMANITY IN THE DR CONGO: BRINGING TO JUSTICE AS A PATH TO FAIRNESS

N. Huber, O. Hurko MICROLEARNING IN HIGHER EDUCATION: CHALLENGES AND PROSPECTS IN TIMES OF WAR

M. Irchyshyna FEATURES OF LEARNING ENGLISH FOR STUDENTS OF DNIPRO STATE UNIVERSITY OF INTERNAL AFFAIRS

A. Khazova, H. Mudrenko CONTACT IMPROVISATION AND BODY-ORIENTED THERAPY IN THE CONTEXT OF ALLEVIATING CONDITIONS IN INDIVIDUALS PRONE TO SUICIDE AND DEPRESSIVE DISORDERS IN ADULTS

S. Kiriakhno, O. Hurko CONSERVATIVE RHETORIC IN THE INAUGURAL SPEECH OF GEORGIA MELONI

O. Kiselevskyi, I. Batrachenko THE PERSONALITY OF UKRAINIAN FREELANCERS AS AN OBJECT OF PSYCHOLOGICAL RESEARCH

A. Kliuiev, T. Potnitseva, O. Besarab MODERN BIOGRAPHICAL VERSIONS OF OSCAR WILDE'S LIFE AND CREATIVE ART

K. Kocherzhyna, S. Riabovol THE REPRESENTATION OF THE PROBLEM OF EDUCATION DURING THE WAR IN THE POEM “A CENTURY LATER” BY IMTIAZ DHARKER

Ya. Kozynets, T. Lytvynova, S. Riabovol SOCIAL HISTORY OF THE COSSACKS IN THE WORKS OF UKRAINIAN HISTORIANS

S. Krutikova, Yu. Honcharova CLARIFYING THE CONCEPT OF POST-TRAUMATIC GROWTH

M. Kysil, O. Hudoshnyk FORMATION OF NICHE AUDIENCES IN THE PLATFORMIZED MEDIA SPACE

D. Lebedenko, Yu. Halayko, N. Kaliberda EMOTIONAL BURNOUT OF MATHEMATICS TEACHERS AS A PSYCHOLOGICAL AND PEDAGOGICAL PROBLEM

A. Maiboroda, I. Popova EMOTIONAL SYNTAX OF OLEKSANDR DOVZHENKO’S EPISTOLARY TEXTS

S. Minaichenko, N. Styryk ACCESSIBLE MENTAL HEALTH SUPPORT: A SOCIETAL & POLICY PERSPECTIVE

K. Miskevych, O. Novikova FEATURES OF COLLOQUIAL STYLE IN WRITTEN TEXTS ON THE TWITTER (X) PLATFORM

V. Parshutina, Y. Polishchuk, O. Aliseienko ART THERAPY IN SPEECH THERAPY ACTIVITY WITH PRESCHOOL CHILDREN

B. Pischanskyi, V. Vershyna INFORMATION AS A MEANS OF INFLUENCE ON THE CONSCIOUSNESS OF MODERN MAN

D. Pysmak, D. Arkhireiskiy, O. Hurko ANGLO-GERMAN COLONIAL RIVALRY AS A MIRROR OF THE EUROPEAN CRISIS (1890-1914)

Y. Savchenko, N. Zymivets THE CREATION OF A SUPPORTIVE ENVIRONMENT FOR INCLUSIVE EDUCATION OF CHILDREN WITH SPECIAL EDUCATIONAL NEEDS IN GENERAL SECONDARY EDUCATION INSTITUTIONS

A. Shpachinska, Y. Ryabchenko, O. Osadcha THE ROLE AND THE PLACE OF ECtHR JUDGEMENTS IN UKRAINIAN JUDICIAL SYSTEM

O. Stebliuk, A. Liasota, N. Styrnik THE CHALLENGE OF NATIONAL IDENTITY IN POLITICAL TRANSITIONS

D. Svystun, O. Osadcha THE ROLE OF GAME TECHNOLOGIES IN THE CORRECTIONAL WORK OF A SPEECH THERAPIST

M. Sydorov TECHNOLOGIES OF POLITICAL COMMUNICATION

V. Takhterin, O. Hurko THE TRANSFORMATION OF SPORTS REPORTING IN THE DIGITAL AGE

N. Tsurikova, L. Nikolenko, O. Aliseienko TECHNOLOGY OF SOLVING INVENTIVE TASKS AS METHOD OF KNOWLEDGE FORMATION WITH INTELLECTUAL DISABILITIES CHILDREN

P. Utkin, V. Voronov STALINIST REPRESSIONS IN POSTWAR SOVIET UKRAINE IN THE CONTEMPORARY SCIENTIFIC LITERATURE

B. Zamoruiev, O. Hurko THE FUTURE OF EXISTENCIALISM: ETHICS

D. Zubkovskyi, I. Batrachenko METHODS OF ASSESSING PERSONAL TIME PERSPECTIVE

PANEL 3

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

(DNU, Zoom)

N. Agafonov, T. Vorova REACTIVE APPLICATIONS: DEVELOPMENT AND FUTURE

O. Bazyk, T. Grynko DIGITAL SHADOW AS AN INTERMEDIATE MODEL IN THE PROCESS OF DIGITAL TRANSFORMATION OF AN ENTERPRISE

V. Bovkunov, O. Bovkunova FORECASTS AND FACTORS FOR THE FUTURE DEVELOPMENT OF STARTUPS IN THE GLOBAL ENERGY INDUSTRY

V. Bovkunov, O. Bovkunova THEORETICAL PRINCIPLES OF RESEARCHING STARTUP DEVELOPMENT IN THE GLOBAL ENERGY INDUSTRY

Z. Dolhov, V. Chernykh, T. Vorova TECHNOLOGIES OF GAMIFICATION OF LEARNING IN THE FORMATION OF ALGORITHMIC THINKING THE SCHOOLCHILDREN AT COMPUTER SCIENCE LESSONS OF 5-6 GRADES

K. Huk, A. Sheveleva, O. Novikova NEURAL NETWORK APPROACH TO REAL-TIME VENTILATION SYSTEM CONTROL MODELING AND OPTIMIZATION

S. Kasyan, T. Grynko, O. Hurko THE IMPACT OF GLOBALIZATION PROCESSES ON STRATEGIC CHANGE MANAGEMENT

O. Mykhailenko, T. Vorova THEORETICAL ASPECTS OF INTERNATIONAL EXPANSION

V. Myroshnyk, T. Vorova FORMS OF INTERNATIONAL COMPETITION

N. Onishchuk, H. Mudrenko OPTIMIZATION OF CORPORATE CASH FLOWS: MODERN METHODS AND APPROACHES

D. Parkhomenko, S. Adonin, Yu. Honcharova CREDIT RISK MANAGEMENT IN THE CONTEXT OF ECONOMIC INSTABILITY

B. Shchebetiuk, T. Vorova THE ROLE AND DIRECTIONS OF ARTIFICIAL INTELLIGENCE IN IMPROVING THE COMPETITIVENESS OF ENTERPRISES

S. Svir, T. Grynko THE ROLE OF THE STATE IN THE DEVELOPMENT OF
BUSINESS STRUCTURES IN TRANSFORMATION ECONOMY

V. Ustymenko, O. Hurko INVESTMENT ACTIVITIES OF NON-STATE
PENSION FUNDS: CHALLENGES AND PROSPECTS

B. Zavalii, O. Hurko IMPLEMENTATION OF INNOVATIVE FINANCIAL
MODELS IN VARIOUS SECTORS OF THE ECONOMY

PANEL 4

Actual Problems of Engineering and Technical Sciences and Modern Information Technologies

(DNU, Zoom)

O. Bahlai, S. Bilogurov, O. Hurko METHODS FOR ENHANCING THE PROPULSION SYSTEMS FEED UNIT FOR NANOSATELLITES

B. Bakun, N. Nosova, N. Kaliberda ADDITIVE MATERIALS IN THE MANUFACTURING OF IMPELLERS FOR PUMP SYSTEMS

V. Chalova, S. Bondarenko, N. Kaliberda PROBLEMS OF MAN-PORTABLE ANTI-TANK MISSILE SYSTEMS AND THEIR SOLUTIONS

H. Diadchenko, V. Shevtsov, N. Kaliberda OBJECTIVE FUNCTIONS IN THE DESIGN OF ROCKET AND SPACECRAFT

G. Husak, I. Uchytyel, O. Aliseienko USING DIGITAL PLATFORMS FOR PROVIDING PSYCHOLOGICAL ASSISTANCE DURING THE FULL-SCALE WAR IN UKRAINE

I. Kolesnichenko, O. Khaminich, N. Kaliberda OPTIMIZATION OF THERMAL PROCESSES IN THE HEAT AND POWER INDUSTRY USING DIGITAL TECHNOLOGIES

O. Koliada, K. Panin, N. Kaliberda MYTHS AND TRUTHS ABOUT WIRELESS ENERGY TRANSMISSION TECHNOLOGIES

S. Lazarets, S. Mamchur, O. Novikova OPTIMIZATION OF FRICTION WELDING PARAMETERS FOR ENHANCING THE QUALITY OF CORROSION-RESISTANT STEEL AND COPPER JOINTS

O. Lysenko, O. Kolesnichenko, N. Kaliberda PROBLEMS AND PROSPECTS OF USING PNEUMATIC MOTORS

K. Maksymenko, R. Bilichenko, N. Kaliberda ETHICS IN THE ERA OF ARTIFICIAL INTELLIGENCE

V. Moiseienko, S. Antonenko, O. Novikova UTILIZING LARGE LANGUAGE MODELS (LLMs) FOR ENTERPRISE BUSINESS PROCESS OPTIMIZATION

Y. Morozov, T. Zaytseva, O. Novikova USE OF DEEP LEARNING IN CONTACT MECHANICS

O. Murashko, Y. Tkachov, O. Hurko ELASTIC SEARCH-DRIVEN DECISION SUPPORT SYSTEMS FOR OPTIMIZING MATERIAL SELECTION IN THE ROCKET SCIENCE

V. Murashko, T. Manko, O. Hurko COMPOSITE PIPELINES FOR CRYOGENIC PROPELLANTS IN MODERN ROCKETRY

M. Nakhod, I. Karpovych, O. Novikova THE USAGE OF UNCONVENTIONAL MECHANICAL PROCESSING METHODS TO IMPROVE COMPONENTS QUALITY

R. Pylypenko, S. Klymenko, N. Kaliberda CURRENT TRENDS IN THE USE OF RECHARGEABLE BATTERIES IN THE BACKUP POWER SOURCES

P. Sazonov, S. Klymenko, O. Novikova CALCULATIONS OF THE APPLICATION OF THE ULTRASONIC NON-DESTRUCTIVE TESTING METHOD FOR COMPLEX TECHNICAL OBJECTS

A. Shcherbak, A. Tonkoshkur, O. Novikova MACHINE LEARNING APPROACHES FOR PRIMARY ANALYSIS OF DIELECTRIC SPECTROSCOPY DATA

Y. Shliakhov, V. Kuzmenko, O. Novikova COMPUTER MODELING OF DEFORMATION PROCESSES IN COMPLEX STRUCTURES

A. Spodobets, A. Sanin, O. Novikova CURRENT ISSUES IN PROTECTING MEDICAL EQUIPMENT FROM ELECTROMAGNETIC RADIATION

Y. Suleymanov, O. Baybuz, O. Besarab USING CHROMA AUDIO FEATURES IN GENRE CLASSIFICATION BY NEURAL NETWORKS

R. Syzonenko INTEGRATION OF UAV WITH YOLO-BASED COMPUTER VISION SYSTEM FOR AUTONOMOUS NAVIGATION AND OBJECT RECOGNITION

O. Tymchenko, V. Korchynskyi, O. Novikova OPTIMAL CONTROL OF THE BANDWIDTH OF INFORMATION CHANNELS FOR TRANSMISSION OF REMOTE SENSING RASTER IMAGES

V. Tymoshenko, A. Sanin, O. Novikova METHODS FOR GRAIN STRUCTURE ANALYSIS

I. Volnov, I. Skuratovskyi, O. Novikova AI-DRIVEN REAL-TIME ECG MONITORING: CURRENT CHALLENGES AND FUTURE PROSPECTS