

Oles Honchar Dnipro National University



V.M. Glushkov Institute of Cybernetics of the National Academy of Sciences of Ukraine



Educational and Scientific Complex "Institute for Applied System Analysis" of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"



Taras Shevchenko National University of Kyiv



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XXIV International Scientific and Practical Conference

MATHEMATICAL SUPPORT AND SOFTWARE FOR INTELLIGENT SYSTEMS (MSSIS-2026)

PROGRAM

МАТЕМАТИЧНЕ ТА ПРОГРАМНЕ ЗАБЕЗПЕЧЕННЯ ІНТЕЛЕКТУАЛЬНИХ СИСТЕМ (МПЗІС-2026)

ПРОГРАМА

November 18–20, 2026
Dnipro, Ukraine

International Scientific Committee

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M.G. Ivanchenko – Deputy dean for international relations, Cand. Sci. (Tech.), Associate Prof.
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N.Ye. Yatsechko – Leading engineer

Official languages of the conference: Ukrainian, English.

SCHEDULE OF PLENARY AND SECTION SESSIONS

Wednesday, November 18

PLENARY SESSION (online)

Online https://us02web.zoom.us/j/82562846326?pwd=aJCsctYPmE041ux7TO9HfScOcS8urS.1

$10^{00} – 10^{20}$ –	Welcome Address by the Academician-Secretary of the Department of Informatics of the National Academy of Sciences of Ukraine, Director of the V. M. Glushkov Institute of Cybernetics of the NAS of Ukraine, Director General of the Cybernetics Center of the NAS of Ukraine, Chair of the Scientific Coordination Council on Artificial Intelligence of the NAS of Ukraine, Doctor of Physical and Mathematical Sciences, Professor ***Oleksandr Mykolaiovych Khimich***
$10^{20} – 10^{25}$ –	Opening of the conference by ***Olena Mykhailivna Kiseleva***, Dean of the Faculty of Applied Mathematics and Information Technologies, Corresponding Member of the National Academy of Sciences of Ukraine, Doctor of Physical and Mathematical Sciences, and Professor.
$10^{25} – 10^{30}$ –	Address by the Conference Scientific Secretary, Doctor of Technical Sciences, Associate Professor ***Oleksandr Oleksandrovych Kuzenkov***
$10^{30} – 11^{10}$ –	**Pankratova N.D., Golinko I.M.** DEVELOPMENT OF A AUTONOMOUS COGNITIVE DIGITAL TWIN STRATEGY UNDER DECENTRALIZED CONTROL OF A UAV
$11^{10} – 11^{50}$ –	**Krak Iu.V., Barmak O.V., Stelia O.B.** HUMAN-CENTERED ARTIFICIAL INTELLIGENCE AND EXPLAINABILITY FOR CARDIOGRAM ANALYSIS
$11^{50} – 12^{30}$ –	**Стецюк Петро Іванович, Хом'як Ольга Миколаївна.** ШТРАФНІ ФУНКЦІЇ МАКСИМУМУ В ОПУКЛОМУ ПРОГРАМУВАННІ
$12^{30} – 13^{10}$ –	**Kozin I.V., Narzullaeva N.U.** ON PENALTIES THAT ENSURE COALITION STABILITY
$13^{10} – 13^{50}$ –	**Romanova Tetyana.** PACKING OPTIMIZATION IN ADDITIVE MANUFACTURING: MATHEMATICAL MODELS AND SOLUTION APPROACHES
$13^{50} – 14^{30}$ –	**Vovk S.M.** GENERALIZED MATHEMATICAL MODEL FOR DEVELOPING DATA PROCESSING METHODS
$14^{30} – 15^{00}$ –	**Break**
$15^{00} – 17^{00}$ –	**SECTION MEETINGS**

Wednesday, November 18
SECTION MEETINGS (online) $15^{00} – 17^{00}$

Online https://us02web.zoom.us/j/82562846326?pwd=aJCsctYPmE041ux7TO9HfScOcS8urS.1

The meeting is chaired by Doctor of Technical Sciences, Professor **Liudmyla Ivanivna Knysh**

1.	**Semenov V. V., Kovalenko O. Yu., Urazovskyi A. V.** THE LAST-ITERATE CONVERGENCE RATE BOUND FOR THE EXTRAGRADIENT METHOD
2.	**Stovba V., Nizalov D., Zubovskyi D., Stetsyuk P.** A TWO-STAGE OPTIMIZATION MODEL FOR COST-EFFICIENT AND PRIORITY-BASED TRANSPORTATION PLANNING
3.	**Korablov M.M.** MATHEMATICAL MODEL FOR CLUSTERING DATA WITH A SPECIFIED NUMBER OF OUTLIER OBSERVATIONS
4.	**Letuta N. V., Romanova T. Ye., Melashchenko O. P., Shekhovtsov S.B.** GEOMETRIC MODELING OF NANOCOMPLEXES WITH ELLIPSOIDAL COMPONENTS
5.	**Stepanenko A., Stetsyuk P. I.** ON THE UNIQUENESS OF THE OPTIMAL SOLUTION TO STIGLER'S DIET PROBLEM
6.	**Grishyn K.D., Nedashkovskaya N.I.** UKRAINIAN SIGN LANGUAGE RECOGNITION IN ISOLATED VIDEOS WITH MODEL DECISION INTERPRETABILITY
7.	**Honcharuk O. P. Nedashkovskaya N.I.** CHANGE DETECTION IN OPTICAL REMOTE SENSING IMAGERY
8.	**Khomiak O., Davydov O.** APPLICATION OF THE EMSHOR ALGORITHM TO THE SYLVESTER PROBLEM
9.	**Raichev I.E., Chrustovskyi A.A., Denysenko N.H.** METHODS AND TOOLS FOR ASSESSING THE INTERNAL QUALITY OF SOFTWARE SYSTEM COMPONENTS BASED ON CODE COMPLEXITY METRICS
10.	**Vikulov V. V., Pyshnograiev I. O.** GRAPH NEURAL NETWORK POLICIES FOR AUTOMATED PENETRATION TESTING

Thursday, November 19
SECTION MEETINGS (online) 10^{00} – 16^{00}

Online https://us02web.zoom.us/j/86580709357?pwd=jo9frD4pLX6i16Psc0A18WbdF4Srz6.1

The meeting is chaired by Doctor of Technical Sciences, Professor **Oleh Hryhorovych Baibuz**

1.	**Antonov V. S., Turchyna V. A.** INCREMENTAL REFINEMENT OF A REDUNDANT PARTIAL ORDER RELATION IN SCHEDULING PROBLEMS
2.	**Boiko O. A., Danylov V. Ya.** REVIEWER AGENTS FOR PROPAGANDA DECONSTRUCTION: AN EMPIRICAL STUDY
3.	**Dubik S. M., Oleksiichuk O. O., Ovcharenko G. R.** COBBALT: AUTOMATED COBB ANGLE ASSESSMENT WITH SELECTIVE REFUSAL
4.	**Lohvyn D., Bozhukha L.** A GRAPH-BASED THREE-STAGE ARCHITECTURE FOR UKRAINIAN TEXT NORMALIZATION IN SPEECH SYNTHESIS
5.	**Luchka V.-T., Furgala Y. M.** IMAGE-LEVEL OBJECT CLASSIFICATION BY KEYPOINT VOTING WITH A MINIMAL NEURAL NETWORK
6.	**Marinenko A. A., Vovk S. M.** INTELLIGENT PREDICTIVE CONTROL SYSTEM FOR TASK PLACEMENT AND COOLING IN A DATA CENTER
7.	**Politov A.I., Vovk S.M.** EFFECT OF NETWORK DEPTH ON ADVERSARIAL ROBUSTNESS OF COMPACT CONVOLUTIONAL NEURAL NETWORKS
8.	**Senko I.O., Yaroshenko I.O., Chaikovsky I.A.** TREE-BASED METHOD FOR WEIGHTED FEATURE SELECTION FOR DETECTING RELATIONSHIPS IN HIGH-DIMENSIONAL MEDICAL DATA
9.	**Slipchenko V., Poliahushko L., Khniukalo V.** QUANTITATIVE ASSESSMENT OF THE RISKS OF RE-IDENTIFICATION OF PATIENTS BASED ON QUASI-IDENTIFIERS IN PSYCHO-EMOTIONAL MONITORING SYSTEMS
10.	**Trotsenko A. G., Kuzenkov O. O.** NUMERICAL ANALYSIS OF DYNAMICAL REGIMES AND RECOVERY TIME IN A NONLINEAR RESOURCE–CONSUMER MODEL
11.	**Vdovychenko V.M., Furgala Y. M.** FRAME TO FRAME VARIABILITY OF GEOMETRIC RGB D DESCRIPTORS AND VOLUME ESTIMATION ERROR
12.	**Kushnir O.S.** EXPERIMENTAL INVESTIGATION OF A SPECTRAL APPROACH TO ANOMALY DETECTION IN MULTIVARIATE DATA
13.	**Orlov S. K., Nakonechna T. V.** GEOMETRIC COMPENSATION OF DOWN-FACING PRINT-THROUGH IN CYLINDRICAL 3D PRINTING ON A FUGO-TYPE PRINTER
14.	**Lenskyi M. M., Mykhalchuk H. Y.** GPU-BASED PRICING FOR THE CAPACITATED VEHICLE ROUTING PROBLEM

15.	**Vakulchyk S.O., Baibuz O.H.** DATA AUGMENTATION TECHNOLOGIES IN COMPUTER VISION BASED ON MOBILENET MODELS
16.	**Yeli M.Ya., Baibuz O.H.** POWER CONSUMPTION MODEL OF A CLOUD CLUSTER ACCOUNTING FOR HOST POWER STATES AND DETERMINATION OF THE ENERGY-OPTIMAL NUMBER OF ACTIVE NODES
17.	**Morozov Y. S., Zaytseva T. A.** NEURAL NETWORK REFINEMENT OF CONTACT STRESSESWITH UNCERTAINTY ESTIMATION IN THREE-DIMENSIONALFINITE ELEMENT MODELS OF DOUBLY CONNECTED PUNCHES
18.	**Suleymanov Y., Zaytseva T., Baybuz O.** EVALUATION OF THE UNCERTAINTY OF FINITE ELEMENT SOLUTION REFINEMENTS BASED ON NEURAL NETWORK ENSEMBLES
19.	**Mirzaiev T. R., Mykhalchuk H. Y.** ESCAPING LOCAL OPTIMA IN MULTI-OBJECTIVE ITERATED LOCAL SEARCH FOR HETEROGENEOUS FLEET VEHICLE ROUTING
20.	**Simakin S. K., Bozhukha L. M.** SET-BASED UPDATE COALESCING IN AN ORM: FRAGMENTATION BY WRITE-COLUMN SETS AND A RUN-LENGTH DECISION RULE
21.	**Funtykov M. K., Matsuga O. M.** COMPARATIVE EVALUATION OF CLUSTER VALIDITY INDICES AND DECISION RULES FOR FEATURE CLUSTERING
22.	**Chaikovskyi Y. Y., Matsuga O. M.** COMPARISON OF STRUCTURAL BREAK REPRESENTATIONS IN LSTM-BASED TIME SERIES FORECASTING

REMOTE PARTICIPANTS (publication without presentation)

1.	**Adlucky V., Loboda V., Khodanen T., Sheveleva A.** IMPLEMENTING MATHEMATICAL EQUIVALENCE BETWEEN ONE-DIMENSIONAL HEXAGONAL QUASICRYSTALS AND HEXAGONAL PIEZOELECTRIC MATERIALS IN ABAQUS
2.	**Alieksieieva V.A., Yehoshkin D.I., Siryk S.F.** DEVELOPMENT OF A PROCEDURAL GENERATION MODEL FOR 2D SPATIAL MAPS BASED ON THE WAVE FUNCTION COLLAPSE ALGORITHM
3.	**Altoumaimi M., Loboda V.** INTERACTION OF ELECTRICALLY INSULATED INTERFACE CRACKS IN A 1D PIEZOELECTRIC QUASICRYSTAL
4.	**Andriushchenko O. S.** SPARSE IDENTIFICATION OF A DISCRETE DYNAMICAL MODEL OF HEART RATE VARIABILITY FROM LONG-TERM RECORDINGS
5.	**Andrushchenko V. A, Antonenko S. V.** INVESTIGATION OF THE IMPACT OF PROMPT ENGINEERING STRATEGIES AND LLM ROLE PATTERNS ON LEARNING EFFICIENCY
6.	**Antonenko T. O., Zemlianyi O. D.** NUMERICAL AND SOFTWARE FRAMEWORK FOR REAL-TIME HOWITZER GUNNERY SIMULATION IN THE ARTSIM 3D ENVIRONMENT
7.	**Antoshchuk S.G., Lytvynenko A.V.,Voronenko M.O.** TEMPORALLY CONSISTENT VIDEO SEQUENCE GENERATION BASED ON AUTOREGRESSIVE ERROR CONTROL AND ADAPTIVE HIERARCHICAL MEMORY
8.	**Babenko M. O., Dzyuba P. A.** METHODS AND ALGORITHMS FOR BUILDING THREE-DIMENSIONAL ENVIRONMENT MAPS IN THE PRESENCE OF DYNAMIC OBSTACLES IN REAL-TIME SYSTEMS
9.	**Bakhmetiev B.S., Biloborodko O.I.** TWO-LEVEL CONFIGURATION MODEL OF MULTI-CLOUD INFRASTRUCTURE AND PORTABILITY ASSESSMENT OF IAC CONFIGURATIONS
10.	**Baleiko A. S., Mykhalchuk H. Y.** COMPARISON OF CP-SAT AND SCIP SOLVERS FOR A TWO-STAGE PRODUCTION PLANNING PROBLEM
11.	**Cherniakova O. P., Huskova V. H.**MATHEMATICAL AND SOFTWARE SUPPORT FOR AN INTELLIGENT BATCH SCORING SYSTEM AND BANK CUSTOMER PORTFOLIO MANAGEMENT
12.	**Cheshenko D., Matsuga O.** IMPACT OF IMAGE RESOLUTION AND SCALING METHODS ON VLM-BASED HANDWRITTEN DOCUMENT RECOGNITION
13.	**Demenko I. O., Symonov D. I., Rabochyi D. V.** PROJECTION-BASED METHOD FOR FEASIBLE RESOURCE ALLOCATION IN COALITIONS OF AUTOMATED TESTING AGENTS
14.	**Dmytriv M., Basyuk T.** DECISION SUPPORT FOR URBAN PARKING MANAGEMENT BASED ON MACHINE LEARNING PREDICTION OF PARKING SPACE AVAILABILITY
15.	**Fedoriatska N., Lysenko N.** COMBINED TECHNOLOGY OF STATISTICAL ANALYSIS IN THE TASKS OF RELIABILITY MONITORING OF TECHNICAL OBJECTS
16.	**Guk N.** STRUCTURAL MODELING AND INVERSE METHODS FOR COMPLEX DATA ECOSYSTEMS
17.	**Hart L.L., Buhaienko A.O., Hart A.V.** ON THE NUMERICAL SOLUTION OF A TWO-DIMENSIONAL ELLIPTIC BOUNDARY VALUE PROBLEM WITH VARIABLE COEFFICIENTS
18.	**Honchar I.V., Yehoshkin D.I., Siryk S.F.** DEVELOPMENT AND STUDY OF A DEPENDENCY GRAPH OF EXECUTABLE PE MODULES FOR ANALYZING AND ESTIMATING THEIR RESOURCE REQUIREMENTS
19.	**Horbatko K., Mashchenko L.** DESKTOP MACRO RECORDING WITH A PLATFORM ADAPTER BOUNDARY IN DESKFLOW

20.	**Horbatko K., Mashchenko L.** VALIDATING SCRIPT BLOCKS AND CONTROLLING MACRO PLAYBACK IN DESKFLOW
21.	**Horlovyi N.O., Biloborodko O. I.** AN ADAPTIVE ALGORITHM FOR PRIORITIZING WEB APPLICATION RESOURCE LOADING BASED ON USER BEHAVIORAL PATTERNS
22.	**Hovorukha P., Trofimov A.**MULTIGRID SMOOTHER PERFORMANCE FOR ELASTIC PACKAGES WITH UNCERTAIN INTERNAL INTERFACES
23.	**Hrachov O., Bozhukha L.** AUTOMATION OF THE UNIVERSITY TIMETABLE GENERATION PROCESS
24.	**Huk K., Sheveleva A.** INTELLIGENT PREDICTIVE CONTROL OF A VENTILATION SYSTEM BASED ON ROOM OCCUPANCY FORECASTING AND ROBUST OPTIMIZATION
25.	**Iliushina K.O., Voloshko V. L.** NEWTON'S METHOD IN MULTICRITERIA OPTIMIZATION PROBLEMS
26.	**Inkin O., Zaytsev V., Belozyorov V.** RECURRENCE ANALYSIS AND SYNERGETIC CONTROL OF BRAIN ACTIVITY DYNAMICS AFTER TRAUMATIC BRAIN INJURY
27.	**Karmazin K. V.** REINFORCEMENT LEARNING FOR VIDEO BITRATE ADAPTATION WITH REBUFFERING RISK CONTROL
28.	**Khimchenko G., Kozakova N.** BOTTLENECK DETECTION AND RESOURCE OPTIMIZATION OF A BANK LOAN-PROCESSING WORKFLOW USING A COLOURED PETRI NET MODEL AND DISCRETE-EVENT SIMULATION
29.	**Kiseleva E.M., Kuzenkov O.O.** DYNAMIC OPTIMAL SET PARTITIONING PROBLEMS: MATHEMATICAL MODELS, METHODS, ALGORITHMS, AND PRACTICAL APPLICATIONS
30.	**Kiseleva E.M., Prytomanova O.M.** OPTIMIZING CRYPTOCURRENCY PORTFOLIOS: AN AI-POWERED INDEX APPROACH
31.	**Kiseleva O.M., Prytomanova O.M., Lebediev D.M. Mazhara K.** ON AN APPROACH TO SOLVING MULTI-STAGE PROBLEMS OF OPTIMAL SET PARTITIONING
32.	**Kiseleva E., Zaytseva T., Shyshkanova G.** INTELLIGENT OPTIMIZATION OF MEMS USING FUZZY TROPICAL MODELS
33.	**Korenskyi Y.O., Nakonechna T.V.**SAMPLE-SIZE DEPENDENCE OF THE WASSERSTEIN AMBIGUITY RADIUS IN DISTRIBUTIONALLY ROBUST REGRESSION
34.	**Kozakova N., Kozakov M.** PROCEDURAL GENERATION OF 2D GAME LEVELS USING BINARY SPACE PARTITIONING, HETEROGENEOUS ROOM SHAPES AND CONNECTIVITY-PRESERVING OBSTACLE PLACEMENT
35.	**Kozakova N.L., Lupynskyi S.V.** BIFURCATION ANALYSIS AND CONTROL IN MODELS OF NATURAL PROCESSES
36.	**Kozakova N.L., Shvedov V.O., Hryhorenko O.E.** NONLINEAR ANALYSIS OF MATHEMATICAL MODELS OF DYNAMIC PROCESSES IN COMPLEX SYSTEMS
37.	**Krasnoshapka D.V.,Siryk S.F.** TRAFFIC FLOWS MODELING IN INTERCONNECTED COMPUTER NETWORKS
38.	**Krasnoshchok A. V., Antoniuk V. A.** GENERATING PERSONALIZED WEB INTERFACES WITH LARGE LANGUAGE MODELS AND THE MODEL CONTEXT PROTOCOL
39.	**Kravchenko M. S., Basiuk T. M.** PROJECT OF AN INFORMATION SYSTEM FOR DIGITALIZATION OF EDUCATIONAL AND MANAGEMENT PROCESSES IN EDUCATIONAL INSTITUTIONS
40.	**Kryvtsov O.S., Sheveleva A.E.** HYBRID NEURO-FUZZY SYSTEM FOR SENTIMENT ANALYSIS AND INCIDENT PRIORITIZATION UNDER LINGUISTIC UNCERTAINTY

41.	**Kurbanov D.R., Ivanchenko M.G.** AUTONOMOUS MICROPAYMENTS BETWEEN AI AGENTS OVER THE X402 PROTOCOL: A BUDGET-CONTROLLED PROTOTYPE AND PAYMENT OVERHEAD ANALYSIS
42.	**Kushpit V., Baibuz O.** DEVELOPMENT OF A MOCK INTERVIEW PLATFORM AND THE DESIGN OF AI-ASSISTED FEEDBACK
43.	**Kuzenkov O.O., Chupryn A.A.** QUALITATIVE ANALYSIS OF MATHEMATICAL MODELS OF INTERACTION BETWEEN UNMANNED ROBOTIC SYSTEMS: STATE OF THE ART, CLASSICAL AND MODERN APPROACHES TO SOLVING THE PROBLEM
44.	**Kuzenkov O.O., Tokarchuk O.R.** DEVELOPMENT OF A SOFTWARE SYSTEM FOR TRAINING UNMANNED SYSTEMS IN TERRAIN NAVIGATION: PROBLEM OVERVIEW, CLASSICAL AND MODERN APPROACHES TO ITS SOLUTION
45.	**Lavushnyk Y. P., Stepanova N. I.** INVESTIGATION OF COMBINATORIAL OPTIMIZATION ALGORITHMS FOR OBJECT PLACEMENT ON A DISCRETE FIELD
46.	**Li Z., Pazukhina E., Apostolidou S., Gunu R., Zaikin A., Whitwell H.J., Crnogorac-Jurcevic T., Menon U., Blyuss O.** LONGITUDINAL SERUM PROTEIN BIOMARKERS FOR EARLY LUNG CANCER DETECTION: COMPUTATIONAL SELECTION AND MODEL EVALUATION
47.	**Luh O.O., Kuzenkov O.O.** MATHEMATICAL AND AI-BASED MODELING OF IN-DEMAND SKILLS STRUCTURE IN THE LABOR MARKET
48.	**Mahas O., Guk N.** NEURAL NETWORK RECONSTRUCTION OF SHELL CONTOUR STIFFNESS USING ROTATIONAL AUGMENTATION OF TRAINING DATA
49.	**Masych K.D., Biloborodko O.I.** REGRESSION TEST SELECTION AND PRIORITIZATION USING A MULTI-LEVEL DEPENDENCY GRAPH OF PROGRAM ELEMENTS
50.	**Moroz M. O., Dziuba P. A.** COMPARATIVE ANALYSIS OF IMAGE-BASED 3D RECONSTRUCTION METHODS ON REAL SMARTPHONE DATA
51.	**Moskalenko A. M., Zaytsev V. G.** RECURRENCE QUANTIFICATION OF ECG-DERIVED HEART RATE DYNAMICS ACROSS THE ADULT LIFESPAN
52.	**Mykhalevych V. M., Nastalenko S. I., Pyliavets M. Yu.** STRAIN RATE CONTROL IN HOT UPSETTING AS A HIERARCHICAL SYSTEM WITH HEREDITARY MEMORY
53.	**Myronenko O.V., Soloviova T.V.** MATHEMATICAL MODELING OF DYNAMIC PROCESSES IN INFORMATION AND ANALYTICAL SUPPORT OF PUBLIC AUTHORITIES
54.	**Nakonechna A.M., Hart L.L.** COMPARATIVE ANALYSIS OF ALGORITHMS FOR SOLVING THE POWER ALLOCATION PROBLEM IN SMART POWER SYSTEMS
55.	**Necheporenko O. V., Safronova I. A., Zaytsev V.** G. DATA-DRIVEN DISCOVERY OF USER RATING DYNAMICS VIA SPARSE REGRESSION (MOVIELENS STUDY)
56.	**Novikova O.V., Suima I.P.** AI MEETS ENGLISH: NEW DIGITAL HORIZONS IN LANGUAGE EDUCATION
57.	**Novikova O.V., Suima I.P.** ARTIFICIAL INTELLIGENCE AND PERSONALIZED ENGLISH LANGUAGE LEARNING: NEW APPROACHES TO STUDENT-CENTRED EDUCATION
58.	**Ovsianykov I. V., Antonenko S. V.**MATHEMATICAL MODEL OF AN ENERGY RENTAL SERVICE IN THE TRON BLOCKCHAIN NETWORK
59.	**Pankratova N.D., Pankratov V.A., Golinko I.M.** TOWARD THE DEVELOPMENT OF A COGNITIVE DIGITAL TWIN FOR UNMANNED AERIAL VEHICLES SWARM
60.	**Pasichnyk V. A., Pasichnyk A. N.** LLM-BASED INTELLIGENT SOFTWARE DEVELOPMENT TECHNOLOGY: ANALYSIS OF OPERATIONAL EFFICIENCY
61.	**Pavliuk A.** STRUCTURE-AWARE OPTIMIZATION OF SOR RELAXATION PARAMETERS

62.	**Pepelyaev V.,Oriekhova N.,Panteleymonov A.** ASSESSING CLIMATE CHANGE MPACTS ON WINTER CEREAL YIELDS IN SOUTHERN UKRAINE
63.	**Pepelyaev V.A., Panteleymonov A.A., Shchetynin D.I., Oriekhova N.A**. AN ARCHITECTURE FOR INTEGRATING AIR QUALITY AND HEART RATE VARIABILITY DATA FOR DECISION SUPPORT
64.	**Polievoi D. B., Sheveleva A. E.** COMPUTER SIMULATION OF THE 3D STRUCTURE OF CAST ALLOYS AND PERCOLATION ESTIMATION OF THEIR CONTINUITY
65.	**Ponomarenko P. A., Bozhukha L. M.** METHODS FOR REDUCING COMPUTATIONAL AND COMMUNICATION COSTS IN LLM-BASED MULTI-AGENT SYSTEMS
66.	**Poslaiko N.I.** INVESTIGATION OF THE BUSY PERIOD IN A TIME-NONHOMOGENEOUS QUEUEING SYSTEM
67.	**Riabenko V. I., Nadryhailo T. Zh.** DECISION SUPPORT SYSTEM FOR ACCESS TO CORPORATE DATA BASED ON USER SESSION RISK ASSESSMENT
68.	**Saienko D., Baibuz O.** TRANSACTIONALLY CONSISTENT LOYALTY MECHANISMS FOR ECOMMERCE PLATFORMS
69.	**Saienko D., Baibuz O.** HYBRID RECOMMENDATIONS WITH POPULARITY FALLBACK FOR SPARSE ECOMMERCE DATA
70.	**Savastiyanov V. V., Stoliar M. V.** AUTOMATED CONSTRUCTION OF A DIRECTED ACTION ONTOLOGY AND A CROSS-IMPACT MATRIX FOR FORESIGHT TASKS
71.	**Shemetko K., Bozhukha L.** EFFECTIVENESS OF OPTIMIZATION TECHNIQUES IN UNITY WEBGL: A CONTROLLED COMPARATIVE STUDY
72.	**Shliakhov Y. O.** PLANE STRAIN OF A SINGLE- AND TWO-LAYER ELASTIC FOUNDATION WITH A PIT UNDER STAMP LOADING
73.	**Shyshkanova G., Korotunova O., Fasoliak A., Zaytseva T.** FUZZY INTELLIGENT DECISION-SUPPORT SYSTEM FOR THE CONTINUED OPERATION OF MULTILAYER STRUCTURES UNDER NON-STATIONARY LOADING CONDITIONS
74.	**Solomatin V. A., Baibuz O. H.** A MORPHOLOGY-ORIENTED NEURAL NETWORK FOR MULTICLASS HEART REGION SEGMENTATION IN CHEST X-RAY IMAGES
75.	**Stepanova N.I.** APPLICATION OF GAMIFICATION IN THE EDUCATIONAL PROCESS OF HIGHER EDUCATION INSTITUTIONS
76.	**Striliaieva S.V.** DEVELOPMENT OF A NEURAL NETWORK-BASED SYSTEM FOR BLACK-AND-WHITE IMAGE COLORIZATION
77.	**Syzonenko R.M., Klymenko S.V.** OPTIMIZATION AND ROBUSTNESS ANALYSIS OF SPLINE-ADAPTED YOLO26 ARCHITECTURES FOR REAL-TIME APPLICATIONS
78.	**Tahirov E., Polonska A.** AUTHENTICATION AND CREDIT ACCOUNTING IN AN AI APPLCATION BUILDER
79.	**Tahirov E., Polonska A.** STRUCTURED GENERATION AND BROWSER EXECUTION OF REACT APPLICATIONS FROM NATURAL LANGUAGE
80.	**Tonkoshkur I.S.** MATHEMATICAL MODELING OF FILM FLOWS OF LIQUID
81.	**Tsukanova A. O.** TWO METHODS OF CONJUGATE GRADIENTS FOR LINEAR SYSTEMS
82.	**Tsyba V. V., Pasichnyk A. N.** INVESTIGATION OF AERODYNAMIC COEFFICIENTS OF SUPERSONIC FLOW AROUND THE SIERRA MATCHKING BULLET USING COMPUTATIONAL FLUID DYNAMICS METHODS
83.	**Tykhonenko I. M., Zaytseva T. A.** ANALYSIS OF A MULTIPLY CONNECTED FOUNDATION ON AN ELASTIC HALF-SPACE WITH LOCAL LOSS OF CONTACT
84.	**Vasko A.O., Vovk S.M.** DATA AUGMENTATION TECHNOLOGIES IN COMPUTER VISION BASED ON MOBILENET MODELS
85.	**Verbenko Y. V., Matsuga O. M.** DEVELOPMENT OF A PYTHON LIBRARY FOR HYPERPARAMETER TUNING IN MACHINE LEARNING

86.	**Yaskov G.M., Chuhai A. M., Yaskova Ye.G., Poliatykin A.O., Dzuba D.Y.** ADAPTIVE DENSITY-BASED INCREMENTAL SYNTHESIS OF MULTIDIMENSIONAL SIGNAL STRUCTURES
87.	**Yegorov A.A., Nikishyna O.Y.** GRAYSCALE IMAGES CONTRAST ENHANCEMENT BASED ON TYPE-2 FUZZY SETS USAGE
88.	**Yudin A. O., Safronova I. A.** STRESS-STRAIN STATE CALCULATION AND SHAPE OPTIMIZATION OF THE MIDDLE SURFACE OF A SHELL OF REVOLUTION BASED ON THE HAMILTONIAN
89.	**Zaytsev V., Belozyorov V., Pohorielov O.**PROBLEMS OF BUILDING MATHEMAT - CAL MODELS OF TRAUMATIC BRAIN INJURIES
90.	**Zelinskyi V.S.** FEDERATED LEARNING ARCHITECTURE FOR VISUAL POSITIONING MODELS IN UAV SWARMS
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