



**INTERNATIONAL
SCIENTIFIC AND
PRACTICAL
CONFERENCE**

**"INNOVATIVE TECHNOLOGIES IN CONSTRUCTION,
CIVIL ENGINEERING AND ARCHITECTURE"**

CONFERENCE PROGRAMME

**13–15 OCTOBER 2026
LVIV • DNIPRO
UKRAINE**

CONFERENCE SCHEDULE

XXI INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE “INNOVATIVE TECHNOLOGIES IN CONSTRUCTION, CIVIL ENGINEERING AND ARCHITECTURE”

13–15 October 2026

13 October (in person)

Registration	9:00 – 10:00
Conference opening	10:00 – 10:40
Plenary session	10:40 – 13:45

14–15 October (online)

Section sessions	10:00 – 12:00
Break	12:00 – 13:00
Section sessions	13:00 – 16:00
Conference closing	online, link:

Working languages: Ukrainian, English

Time limits: plenary presentation – up to 10 min
section presentation – up to 10 min

WELCOME ADDRESS

Mykola SAVYTSKYI

Vice-Rector for Research and Teaching, International Affairs and Innovative Development, Ukrainian State University of Science and Technologies, Doctor of Technical Sciences, Professor

Zinoviy BLIKHARSKYY

Director of the Institute of Civil Engineering, Infrastructure and Life Safety, Lviv Polytechnic National University, Doctor of Technical Sciences, Professor

Mykola BEVZ

Honoured Architect of Ukraine, Vice-President of the Ukrainian National Committee of ICOMOS, Professor of the Department of Architecture and Restoration, Institute of Architecture and Design, Lviv Polytechnic National University, Doctor of Architecture, Professor

Gennadiy FARENYUK

Director of the State Enterprise "State Research Institute of Building Constructions" (NDIBK), Doctor of Technical Sciences, Professor

Ivan NAZARENKO

President of the Academy of Construction of Ukraine, Doctor of Technical Sciences, Professor

Glib VATULIA

Vice-Rector for Research and Teaching, O. M. Beketov National University of Urban Economy in Kharkiv, Academician of the Academy of Construction of Ukraine and the Transport Academy of Ukraine, Doctor of Technical Sciences, Professor

Pablo BARRACHINA Rodríguez-Guisado,

Head of Research and Development, Voltiva Energy, MSc in Renewable Energy, Spain

Konstantinos ARVANITIS

Co-founder of INNOVATIO P.C., M.Eng., MBA, Greece

Hailong WANG

Director, Shaoxing Zhenxin Mechanical and Electrical Technology Co., Ltd., China

PLENARY SESSION

Venue: Conference Hall

Time: 10:40 – 13:00

The plenary session can be joined via the link:

<https://teams.microsoft.com/meet/363293958787776?p=jwiqt5AvvW2SfpfqGz>

Meeting ID: 363 293 958 787 776

Passcode: ju2h4jf7

PRESENTATIONS:

10:40 Mykola Savytskyi

- UKRAINIAN STATE UNIVERSITY OF SCIENCE AND TECHNOLOGIES, ESI “PRYDNIPROVSKA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE”

10:50

SOME PROMISING RESEARCH AREAS PURSUED BY THE EDUCATIONAL AND SCIENTIFIC INSTITUTE “PRYDNIPROVSKA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE”

10:50 Mariia Barabash

- LIRA-SAPR LLC

11:00

INTEGRATED MODELLING OF MODULAR REINFORCED CONCRETE PROTECTIVE STRUCTURES UNDER BLAST AND KINEMATIC ACTIONS

11:00 Mykola Bevz

- POLITECHNIKA LUBELSKA, DEPARTMENT OF CONSERVATION OF MONUMENTS

11:10

TECHNOLOGICAL EXPERIMENTS IN THE BUILDING PRACTICE OF KING DANIELS OBJECTS IN KHOLM OF 13TH CENTURY

11:10 Maryna Bordun

- UKRAINIAN STATE UNIVERSITY OF SCIENCE AND TECHNOLOGIES, ESI “PRYDNIPROVSKA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE”

11:25

PRINCIPLES OF SECURITY-DRIVEN ADAPTIVE ARCHITECTURE IN VIEW OF MILITARY THREATS

11:25 Oleh Tretiakov

- NATIONAL UNIVERSITY “KYIV AVIATION INSTITUTE”

11:35

QUANTITATIVE RISK ASSESSMENT OF INTERNAL THREATS AT CRITICAL INFRASTRUCTURE FACILITIES

11:35 Sviatoslav Homon

- NATIONAL UNIVERSITY OF WATER AND ENVIRONMENTAL ENGINEERING

11:45

PREDICTING THE DEFORMATION OF TIMBER STRUCTURAL ELEMENTS WITH ACCOUNT OF RHEOLOGICAL PROPERTIES

11:45 Liudmyla Hryhorieva

- KYIV NATIONAL UNIVERSITY OF CONSTRUCTION AND ARCHITECTURE

11:55

STATIC AND DYNAMIC DEFORMATION OF FUNCTIONALLY GRADED PIEZOELECTRIC BODIES IN A THREE-DIMENSIONAL FORMULATION

11:55 Oleksandr Lapenko

- NATIONAL UNIVERSITY “KYIV AVIATION INSTITUTE”

12:05

STRENGTH CHARACTERISTICS OF CONCRETE MODIFIED WITH CARBON NANOTUBES

- 12:05 **Oleksandr Bardakh**
– MUNICIPAL ENTERPRISE “PROFDEZINFEKTSIIA”
- 12:15 **INDUSTRIAL TECHNOLOGIES FOR RESIDENTIAL BUILDING USING CONCRETE CONSTRUCTION AND DEMOLITION WASTE**
- 12:15 **Vitalii Spiridonov**
– UKRAINIAN STATE UNIVERSITY OF SCIENCE AND TECHNOLOGIES, ESI “PRYDNIPROVSKA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE”
- 12:25 **HOUSEHOLD ENERGY CONSUMPTION IN THE CITY OF DNIPRO (UKRAINE)**
- 12:25 **Nazarenko Ivan, Perehinets Ivan**
– KYIV NATIONAL UNIVERSITY OF CONSTRUCTION AND ARCHITECTURE / “SCIENTIFIC AND TECHNICAL CENTER OF THE ACADEMY OF CONSTRUCTION OF UKRAINE” LLC
- 12:35 **MANAGEMENT OF ORGANIZATIONAL AND TECHNOLOGICAL PROCESSES IN THE LIFE CYCLE OF A POSITIVE-ENERGY BUILDING**
- 12:35 **Petro Reznik**
– O. M. BEKETOV NATIONAL UNIVERSITY OF URBAN ECONOMY IN KHARKIV
- 12:45 **ENERGY INDICATORS IN ASSESSING THE RESISTANCE OF BUILDINGS TO PROGRESSIVE COLLAPSE**
- 12:45 **Oleksii Bashynskyi, Yevhen Tsiupyn**
– KYIV NATIONAL UNIVERSITY OF CONSTRUCTION AND ARCHITECTURE
- 12:55 **NUMERICAL MODELLING METHODOLOGY FOR THE PROGRESSIVE COLLAPSE OF A RESIDENTIAL BUILDING BASED ON INSTRUMENTAL SURVEY RESULTS AFTER A UAV STRIKE**
- 12:55 **Kyrylo Sirenok**
– UKRAINIAN STATE UNIVERSITY OF SCIENCE AND TECHNOLOGIES, ESI “PRYDNIPROVSKA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE”
- 13:05 **SPECIFICS OF DETERMINING THE STRENGTH OF CONCRETE PRODUCED BY CONSTRUCTION 3D PRINTING**
- 13:05 **Vladyslav Fedin**
– UKRAINIAN STATE UNIVERSITY OF SCIENCE AND TECHNOLOGIES, ESI “PRYDNIPROVSKA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE”
- 13:15 **NUMERICAL MODELLING OF THE STRESS-STRAIN STATE OF COMPOSITE CLT-RAC FLOOR PANELS**
- 13:15 **Oleh Kalmykov**
– O. M. BEKETOV NATIONAL UNIVERSITY OF URBAN ECONOMY IN KHARKIV
- 13:45 **ENVIRONMENTALLY POSITIVE THIN-WALLED REINFORCED CONCRETE STRUCTURES WITH RATIONAL PARAMETERS**

SECTION I

ARCHITECTURE, URBAN PLANNING AND HERITAGE

14–15 OCTOBER

TOPICS: ARCHITECTURE AND URBAN PLANNING, DESIGN, FINE ARTS;
PRESERVATION OF THE NATIONAL HISTORICAL AND ARCHITECTURAL HERITAGE;
SPATIAL PLANNING, GEODESY, LAND MANAGEMENT

SESSION 1

Session hours: 10:00 – 16:00

Join the session via the link:

<https://teams.microsoft.com/meet/3885705872605525?p=2TaHpGwvK64hQ2Xmwq>

Meeting ID: 388 570 587 260 552 5

Passcode: uj6WU6fw

PRESENTATIONS:

14 OCTOBER

- 10:00 *Savytskyi M., Blikharskyy Z., Babenko M., Liasota O., Shynkarenko I.*
– DEVELOPMENT OF THE REGENERATIVE DESIGN CONCEPT IN ARCHITECTURE AND
10:10 CONSTRUCTION
- 10:10 *Chechelnytska K., Chechelnytsky S.*
– ARTIFICIAL INTELLIGENCE AND THE TRANSFORMATION OF CONTEMPORARY URBAN
10:20 PLANNING
- 10:20 *Kvasnytsya R.*
– CONCEPTUAL DESIGN IN THE SEMIOTIC REDUCTION OF SACRED NARRATIVE: THE
10:30 “VERTEP 2025” PROJECT
- 10:30 *Shkoliar S.*
– VISUAL CULTURE OF PERCEPTION OF UNDERGROUND-TYPE ART CLUSTERS
10:40
- 10:40 *Shvets L.*
– URBAN PLANNING POTENTIAL OF RAILWAY STATION COMPLEXES IN UKRAINE'S POST-
10:50 WAR RECOVERY: CURRENT TRENDS AND FUTURE PROSPECTS
- 10:50 *Aroian A.*
– USE OF DIGITAL TECHNOLOGIES FOR THE GRAPHIC REPRODUCTION OF THE FAÇADE OF
11:00 AN ARCHITECTURAL OBJECT IN POLTAVA
- 11:00 *Bachynska L., Bachynska O.*
– A NEW BOULEVARD CONCEPT IN A LARGE CITY: PROSPECTS FOR ITS DEVELOPMENT AS A
11:10 PUBLIC CENTRE OF URBAN RESIDENTIAL DEVELOPMENT
- 11:10 *Boldyrieva O.*
– SPECIFICS OF USING INNOVATIVE WOOD-BASED MATERIALS IN ARCHITECTURE AND
11:20 CONSTRUCTION
- 11:20 *Bondarenko O., Kharlan O., Akhaimova A.*
– PRINCIPLES AND TECHNIQUES OF THE ARCHITECTURAL AND URBAN-PLANNING
11:30 TRANSFORMATION OF HISTORIC QUARTERS OF A MODERN LARGE CITY (THE CASE OF
DNIPRO)
- 11:30 *Vintaiev D., Vintaiev Yu.*
– INTUITIVE PAINTING IN CONTEMPORARY ART
11:40

- 11:40 Vorobiov V., Shylo O.
- MORPHO-RESONANCE ASPECTS OF THE GEOMETRIC TRANSFORMATION OF MODERN CITIES
- 11:50 Vorobiov V., Shylo O.
- WHERE IS THE DEVELOPMENT OF THE SYSTEMS APPROACH IN ARCHITECTURE AND URBAN PLANNING LEADING?
- 12:00
- 12:00 - BREAK
- 13:00
- 13:00 Vorobiov V., Shylo O.
- COMPONENTS OF THE CONCEPT OF "TRANSFORMATION OF THE RESIDENTIAL AREA OF A CITY"
- 13:10 Harbar M., Cherniatevych N., Shchurova V.
- PONTOON-BASED BICYCLE GARAGES AS A COMPONENT OF THE TRANSPORT AND SERVICE INFRASTRUCTURE OF PONTOON SETTLEMENTS
- 13:20 Holubtsov A.
- ARCHITECTURAL AND URBAN-PLANNING TYPOLOGY OF CZECH COLONIES IN VOLHYNIA IN THE LATE 19TH - EARLY 20TH CENTURY
- 13:30 Honchar S., Tatarinov O.
- DEVELOPMENT OF THE BAROQUE STYLE IN UKRAINIAN ART AND ARCHITECTURE
- 13:40 Hromakov D.
- INTERACTION OF COLOUR, SOUND AND SPATIAL ENVIRONMENT: A NEUROAESTHETIC APPROACH TO THE STUDY OF MULTIMEDIA INTERIOR TOOLS
- 13:50 Zinovieva O., Riabets Yu.
- MOBILE ARCHITECTURE IN EMERGENT SPACE: TYPOLOGY AND PRINCIPLES OF FORM-MAKING
- 14:00 Kinailiuk M., Halak K.
- ON DETERMINING THE FLOOR AREA PER BED IN HOSTEL ROOMS
- 14:10 Korovkina H.
- INNOVATIVE TECHNOLOGIES AND DIGITALIZATION IN CREATING AN INCLUSIVE ARCHITECTURAL AND DESIGN ENVIRONMENT
- 14:20 Krasnyi E.
- FROM DIGITAL IMAGE TO ARCHITECTURAL CONCEPT: THE ROLE OF VISUAL ANALYSIS IN CONTEMPORARY DESIGN
- 14:30 Kulichenko N.
- CATCHMENT ZONES OF PUBLIC TRANSPORT STOPS AND THE MORPHOLOGICAL STRUCTURE OF MICRODISTRICTS AND BLOCKS
- 14:40 Kulichenko N.
- CALCULATION OF PEDESTRIAN ROUTE PARAMETERS IN A RESIDENTIAL DISTRICT
- 14:50 Maiier V.
- URBAN-PLANNING CONTENT OF THE NATIONAL STANDARD FOR DIGITAL TWINS OF SETTLEMENTS OF UKRAINE
- 15:00 Mezhenina N., Zymina S.
- ARCHITECTURE ON THE BOUNDARY BETWEEN NATURE AND THE BUILT ENVIRONMENT: ECOLOGICAL INTEGRATION OF INTERIOR AND EXTERIOR
- 15:10

- 15:10 *Mykhailyshyn O., Bulanov D.*
 – THE LEGACY OF ARCHITECTURAL AND URBAN-PLANNING UTOPIAS OF THE 1920s–1950s
 15:20 IN ZAPORIZHZHIA: CHALLENGES OF PRESERVATION AND REVITALIZATION
- 15:20 *Olenina O., Shylo O., Baturevych D.*
 – DIGITAL ANIMATION AS A MEANS OF REPRESENTING THE ARCHITECTURAL AND
 15:30 HISTORICAL ENVIRONMENT OF KHARKIV
- 15:30 *Omelianenko M., Kashchenko T.*
 – CONVERSION OF OUTDATED RECREATION CENTRES INTO MULTIFUNCTIONAL
 15:40 APARTMENT COMPLEXES AS A MODEL OF AN ECOLOGICAL AND INFRASTRUCTURAL
 ECOSYSTEM
- 15:40 *Pavliv A., Men L.*
 – INNOVATIVE APPROACHES TO STUDYING THE AESTHETICS AND TECTONICS OF SPACES
 15:50 FOR FORCIBLY DISPLACED PERSONS
- 15:50 *Praslova V.*
 – CLASSIFICATION OF ART OBJECTS IN THE CONTEMPORARY CITY
 16:00

15 OCTOBER

- 10:00 *Ryzhova I., Kharchenko K., Pliushchkin S.*
 – INTERACTION OF TRADITIONAL LANDSCAPE DESIGN AND MODERN DIGITAL
 10:10 TECHNOLOGIES
- 10:10 *Rudenko A.*
 – URBAN IDENTITY AS A FACTOR IN SHAPING APPROACHES TO THE RESTORATION OF
 10:20 URBAN AREAS
- 10:20 *Skorobohatko O., Dubynskyi V., Pavlyshyn H.*
 – DEVELOPING MODERN LANDSCAPING AND AMENITIES FOR A RESIDENTIAL COMPLEX:
 10:30 THE CASE OF “FAMILY PARK” IN UZHHOROD
- 10:30 *Smirnova O., Votinov M.*
 – SPECIFICS OF SHAPING A THERAPEUTIC ENVIRONMENT WITHIN MODERN
 10:40 RECREATIONAL AND REHABILITATION FACILITIES
- 10:40 *Sosnytskyi Yu., Borodchenko N.*
 – FROM CULTURAL QUOTATION TO DIGITAL PATTERN: DECONTEXTUALIZATION OF
 10:50 UKRAINIAN ORNAMENT IN CONTEMPORARY DESIGN
- 10:50 *Suvorova T., Kharlan O.*
 – CENTRE AND AXIS: A COMPARATIVE ANALYSIS OF THE SPATIAL MODEL OF SACRED
 11:00 ARCHITECTURE
- 11:00 *Timokhin V., Shebek N.*
 – CONCEPTUAL FOUNDATIONS OF THE CONFLICT-FREE DEVELOPMENT OF THE URBAN
 11:10 ENVIRONMENT
- 11:10 *Tkachenko A.*
 – TRANSFORMABLE FURNITURE AND MOBILE PARTITIONS AS MEANS OF FLEXIBLE
 11:20 INTERIOR ORGANIZATION IN TEMPORARY HOUSING
- 11:20 *Tolstenov B.*
 – COMPOSITIONAL AND ARTISTIC PRINCIPLES OF SHAPING THE INTERIOR ENVIRONMENT
 11:30 OF SHELTERS: AN INTEGRATED APPROACH
- 11:30 *Troitskyi I., Kashchenko T.*
 – OUT-OF-SCHOOL ART EDUCATION INSTITUTIONS: INTERNATIONAL EXPERIENCE
 11:40

- 11:40 *Ushakov H.*
 – PROGRESSIVE QUALITIES OF ARCHITECTURAL COMPLEXES IN THE FORM OF A SPATIAL
 11:50 MEGASTRUCTURE
- 11:50 *Feniuk P.*
 – TYPOLOGICAL FEATURES OF THE PLANNING ORGANIZATION OF CONTEMPORARY
 12:00 ORTHODOX CHURCHES IN THE RIVNE REGION
- 12:00
 – BREAK
 13:00
- 13:00 *Fomina K., Volodina P.*
 – UNIVERSAL DESIGN OF PUBLIC BUILDINGS FOR PERSONS WITH DISABILITIES RESULTING
 13:10 FROM COMBAT INJURIES: A REGULATORY AND ANALYTICAL REVIEW
- 13:10 *Frankiv R., Xiao Ch.*
 – USE OF IDYLIC AND PERFECTIONIST CONNOTATIONS IN THE DESIGN OF TEMPORARY
 13:20 CO-LIVING SPACES
- 13:20 *Khoroian N.*
 – A SCENARIO-BASED APPROACH TO THE REACTIVATION OF DEGRADED URBAN AREAS IN
 13:30 THE CONTEXT OF POST-WAR RECOVERY
- 13:30 *Sholudko M., Sholudko M.*
 – COMPREHENSIVE SPATIAL DEVELOPMENT PLAN OF TERRITORIAL COMMUNITIES IN
 13:40 UKRAINE
- 13:40 *Kreizer I.*
 – DECOMMUNIZATION OF SOVIET-ERA DECORATIVE PANELS DURING THE WAR IN THE
 13:50 CITY OF KHARKIV
- 13:50 *Horbyk O.*
 – MONUMENTS OF CATHOLIC SACRED ARCHITECTURE IN KYIV FACING THE CHALLENGES
 14:00 OF THE 20TH–21ST CENTURIES: LOSSES, REVIVAL, INNOVATION
- 14:00 *Kovalska O., Trofymchuk S., Zdetovetska N.*
 – APPLICATION OF REFLECTANCE TRANSFORMATION IMAGING (RTI) TECHNOLOGY FOR
 14:10 RECORDING THE EPIGRAPHIC HERITAGE IN THE INTERIOR OF ST. SOPHIA CATHEDRAL
- 14:10 *Korzachenko M., Prybytko I., Savchenko O.*
 – MODERN APPROACHES TO PRESERVING THE HISTORICAL AND ARCHITECTURAL
 14:20 HERITAGE OF THE CHERNIHIV REGION UNDER MILITARY RISKS
- 14:20 *Pohranychna I., Cherkes B., Yasynskyi M., Shtets V., Melnyk O.*
 – USE OF INNOVATIVE 3D PRINTING TECHNOLOGIES FOR THE PRESERVATION AND
 14:30 PROMOTION OF ARCHITECTURAL AND ARTISTIC HERITAGE
- 14:30 *Sopilniak A., Starostin V., Bieliaieva M.*
 – DETAILED BIM MODELLING OF A DAMAGED HISTORIC FAÇADE AS A TOOL FOR THE
 14:40 DIGITAL PRESERVATION OF ARCHITECTURAL HERITAGE
- 14:40 *Honcharenko Y., Sokolenko U., Plisko D.*
 – REMOTE SENSING MONITORING OF PINE FOREST CONDITION AS A COMPONENT OF
 14:50 URBAN GREEN INFRASTRUCTURE MANAGEMENT
- 14:50 *Smilka V., Kovalska G., Homon O.*
 – UTILISATION OPEN-SOURCE GEOSPATIAL DATA FOR ANALYZING LAND USE AND
 15:00 CONSTRUCTION OF LAND PARCELS
- 15:00 *Chepurna S.*
 – SEARCH FOR NEW URBAN-PLANNING TOOLS FOR THE POST-WAR RECOVERY OF CITIES
 15:10

15:10 *Martyshova L.*

– VISUAL AND INFORMATION NOISE IN THE MODERN CITY SILHOUETTE

15:20

15:20 *Bridnia Yu., Akhaimova A.*

– ADAPTIVE REUSE OF INDUSTRIAL SITES AS A STRATEGY FOR URBAN REGENERATION

15:30

SECTION II CONSTRUCTION AND RESTORATION TECHNOLOGIES

14–15 OCTOBER

TOPICS: ADVANCED TECHNOLOGIES, MATERIALS AND STRUCTURES IN CONSTRUCTION;
THEORETICAL FOUNDATIONS OF CONSTRUCTION;
TECHNOLOGIES FOR DIAGNOSTICS, RECONSTRUCTION AND RESTORATION OF BUILDINGS AND
STRUCTURES

SESSION 2

Session hours: 10:00 – 16:00

Join the session via the link:

<https://teams.microsoft.com/meet/3795810839984785?p=ohkcPwfARRqP4dQa3i>

Meeting ID: 379 581 083 998 478 5

Passcode: eL3dw9Lj

PRESENTATIONS:

14 OCTOBER

- 10:00 *Bolotov H., Bolotov M.*
– ION MODIFICATION OF POLYMERS IN FIBER-REINFORCED CONCRETE TO IMPROVE ITS
10:10 ADHESSION AND STRENGTH CHARACTERISTICS
- 10:10 *Nesevrya P., Lahutchev D.*
– FACTOR-BASED ASSESSMENT OF CONSTRUCTION CONDITIONS FOR LOGISTICS CENTERS
10:20
- 10:20 *Yurin O., Zyhun A., Semko V., Rabenseifer R., Mahas N.*
– THE EFFECT OF IMPLEMENTING THE VSTHERMO PROFILE ON THE THERMAL INSULATION
10:30 PROPERTIES OF EXTERIOR BRICK WALLS IN THE WINDOW AREA
- 10:30 *Berezhna A., Sopilniak A., Yarova T., Sereda S.*
– MODULAR CONSTRUCTION USING BIM: FROM THE DIGITAL MODEL TO THE ASSEMBLY
10:40 OF A FINISHED HOUSE
- 10:40 *Bolotov M., Oleksiienko S., Yushchenko S.*
– TECHNOLOGICAL FEATURES OF CONSTRUCTION USING HEMP CONCRETE TO ENSURE
10:50 THE ENERGY EFFICIENCY OF BUILDINGS AND STRUCTURES
- 10:50 *Demchyna B., Balahurak Yu.*
– STUDY OF THE STRENGTH AND STABILITY OF MULTI-SECTION PRESTRESSED
11:00 REINFORCED CONCRETE MICROPILES
- 11:00 *Dekhta T., Bondarenko S., Vasylenko S.*
– AN UPDATED TECHNOLOGY FOR CONCRETE PRODUCTION USING MOULDING MIXTURES
11:10
- 11:10 *Dubov T., Makarov A.*
– SELF-HEALING CONCRETE UNDER THE ACTION OF AN ELECTROMAGNETIC FIELD
11:20
- 11:20 *Koshevyyi O., Tymchenko O.*
– PROBLEMS OF MULTI-CRITERIA OPTIMIZATION OF COMPOSITE SHELLS UNDER
11:30 THERMOMECHANICAL LOADING
- 11:30 *Maltsev S., Kolokhov V., Adehov O., Tymoshenko O.*
– ASH AND SLAG WASTE AS A RAW MATERIAL FOR THE PRODUCTION OF CONCRETE
11:40 AGGREGATE

- 11:40 *Myroshnichenko I.*
- METHODOLOGY FOR EXPERIMENTAL STUDIES OF THIN-WALLED REINFORCED
11:50 CONCRETE ELEMENTS
- 11:50 *Romaniuk V., Bezniuk L., Supruniuk V., Ziatyuk Yu., Tynchuk S.*
- RATIONAL FIELD OF APPLICATION OF CONTINUOUS PERFORATED BEAMS
12:00
- 12:00
- BREAK
13:00
- 13:00 *Romaniuk V., Bezniuk L., Supruniuk V., Romaniuk Ye., Tynchuk S.*
- ON THE CALCULATION OF DEFLECTIONS OF PERFORATED BEAMS
13:10
- 13:10 *Fenko O., Zyma O., Fenko D.*
- THEORETICAL JUSTIFICATION OF THE EFFECT OF THE RESIDUAL STRESS GRADIENT ON
13:20 THE COMPRESSIVE STRENGTH OF CYLINDRICAL DURALUMIN SPECIMENS
- 13:20 *Khodin A., Kutsevych V.*
- MODULAR OUTPATIENT CLINICS UNDER A SHORTAGE OF CONSTRUCTION WORKFORCE
13:30
- 13:30 *Savytskyi M., Shevchenko T., Savytskyi T., Krutiy Y., Hailong Wang*
- DESIGN OF THE COMPOSITION OF ELECTRICALLY CONDUCTIVE FINE-GRAINED STEEL
13:40 FIBER REINFORCED CONCRETE
- 13:40 *Savytskyi M., Sukhyi K., Shevchenko T., Pereiaslavets S., Ivanchenko V.*
- EXPLOSION HAZARD FACTORS TO BE CONSIDERING WHEN DESIGNING CIVIL DEFENCE
13:50 SHELTERS
- 13:50 *Savytskyi M., Weixiang Pang, Lijun Sun, Shuifu Qiu, Yang Li*
- CLIMATIC CONDITIONS AND THEIR IMPACT ON HOUSEHOLD ENERGY CONSUMPTION IN
14:00 THE CITIES OF DNIPRO (UKRAINE) AND SHAOXING (CHINA)
- 14:00 *Bailin R., Zelenskyi A.*
- MIXING WATER AS AN UNCONTROLLED FACTOR IN DRY BUILDING MIX TECHNOLOGY:
14:10 AN ANALYTICAL ASSESSMENT OF THE EFFECT OF pH AND HARDNESS ON CONCRETE
STRENGTH
- 14:10 *Bezruchenko D., Harkusha V.*
- INVERTING THE SEQUENCE OF PERMITTING AND CONSTRUCTION PROCESSES IN THE
14:20 IMPLEMENTATION OF WIND POWER PLANTS
- 14:20 *Butska O., Zinkevych O., Tomin A.*
- IMPROVING THE DESIGN CALCULATION OF REINFORCED CONCRETE DOME ROOFS OF
14:30 LOW-RISE BUILDINGS
- 14:30 *Vatulia G., Bosenko A.*
- EFFECT OF THE RECYCLED AGGREGATE CONTENT ON THE STRESS-STRAIN STATE OF
14:40 STEEL-CONCRETE COLUMNS
- 14:40 *Hanieiev T., Petrenko I., Rudenko M.*
- CLASH DETECTION IN BIM PROJECTS OF BUILDING ENGINEERING SYSTEMS
14:50
- 14:50 *Hanieiev T., Prybytko I., Nahorna I.*
- FROM TRADITIONAL DRAWINGS TO BIM DRAWINGS: THE TRANSFORMATION OF DESIGN
15:00 DOCUMENTATION IN DIGITAL CONSTRUCTION
- 15:00 *Hryhorieva L., Damnati I.*
- STUDY OF THE RESPONSE OF A MULTILAYER SHELL OF A PROTECTIVE STRUCTURE TO
15:10 BLAST LOADS

- 15:10 *Dovzhenko O., Pents M., Klymovych M.*
 – RESISTANCE OF MASONRY TO LOCAL COMPRESSION NEAR THE WALL EDGE:
 15:20 EXPERIMENTAL, THEORETICAL AND NUMERICAL APPROACHES
- 15:20 *Yehorov Ye., Kucherenko O.*
 – FINITE ELEMENT ANALYSIS AND ENGINEERING ASSESSMENTS OF THE RESISTANCE OF
 15:30 THIN-WALLED SHELLS TO IMPACT AND BLAST ACTIONS
- 15:30 *Yehorov Ye., Ivchenko Yu., Ivchenko O.*
 – DESIGN OF CYLINDRICAL WALLS OF STEEL TANKS USING HIGH-STRENGTH STEELS
 15:40
- 15:40 *Yermakov O., Volkova V.*
 – ASSESSMENT OF THE RESIDUAL STRENGTH RESERVE OF REINFORCED CONCRETE
 15:50 STRUCTURES EXPOSED TO TRANSFORMER OIL
- 15:50 *Zelenskyi A., Pyshnyi M.*
 – EFFECT OF POISSON'S RATIO ON THE STRESS-STRAIN STATE OF THIN RIGID PLATES
 16:00

15 OCTOBER

- 10:00 *Zelenskyi A., Slobodianiuk S., Buratynskyi A., Nahornyi D.*
 – A METHOD FOR SOLVING BOUNDARY VALUE PROBLEMS FOR MODELS OF A VARIANT OF
 10:10 THE MATHEMATICAL THEORY OF NON-THIN PLATES
- 10:10 *Ivchenko Yu., Nikiforov M., Prudnikov Ye.*
 – ANALYSIS OF THE BEHAVIOUR OF TANK STRUCTURES BY MEANS OF NUMERICAL
 10:20 MODELLING
- 10:20 *Kopylov A.*
 – INTEGRATION OF MARKETING STRATEGIES INTO THE REAL ESTATE DEVELOPMENT
 10:30 PROCESS: CONSTRUCTION AND CIVIL ASPECTS
- 10:30 *Kravchunovska T., Kovalov V., Balakin K., Komisarov H.*
 – DEVELOPMENT OF SCIENTIFIC APPROACHES TO THE REVITALIZATION OF INDUSTRIAL
 10:40 BUILDINGS
- 10:40 *Kuzlo M., Kushnir V., Ziatyuk Yu.*
 – MATHEMATICAL MODELLING OF DEFORMATIONS OF PAVEMENT STRUCTURES FOR
 10:50 MOTOR ROADS
- 10:50 *Pavlikov A., Harkava O., Mykytenko S., Dmytrenko A.*
 – DESIGN OF A TEST RIG FOR ROAD SLABS AND THE RESULTS OF THEIR TESTING
 11:00
- 11:00 *Palamarenko I., Chaban V.*
 – NONLINEAR DYNAMIC ANALYSIS OF BLAST-RESISTANT BUILDINGS AND STRUCTURES
 11:10
- 11:10 *Tymoshchenko A., Barabash M.*
 – EVALUATING THE EFFECTIVENESS OF OUTRIGGER SYSTEMS UNDER THE LOCAL LOSS OF
 11:20 A LOAD-BEARING ELEMENT IN A HIGH-RISE BUILDING
- 11:20 *Trehub O., Kirichek Yu.*
 – RELIABILITY OF FRAMED BUILDINGS IN TERMS OF THE PROBABILITY OF UNEVEN
 11:30 DEFORMATIONS
- 11:30 *Filonenko O., Semko O., Yurchenko I., Filonenko A.*
 – ADAPTATION OF BASEMENTS OF EXISTING HISTORIC BUILDINGS TO THE REQUIREMENTS
 11:40 FOR CIVIL PROTECTION STRUCTURES

- 11:40 *Shekhorkina S., Solohubova S., Merylova I., Bohachenko S., Kaplenko D.*
 – VR AND AR IN THE HUMAN-CENTRED DESIGN OF REHABILITATION ENVIRONMENTS
 11:50
- 11:50 *Shekhorkina S., Rabenseifer R., Talash A.*
 – STUDY OF HORIZONTAL DISPLACEMENTS OF CROSS-LAMINATED TIMBER (CLT) WALL
 12:00 PANELS
- 12:00
 – BREAK
 13:00
- 13:00 *Shmatko V.*
 – APPLICATION OF A BILINEAR STRESS-STRAIN DIAGRAM OF STEEL MESH TO DETERMINE
 13:10 THE PRETENSION OF CABLE-MEMBRANE SYSTEMS
- 13:10 *Yarovyi S., Danylchenko O.*
 – DURABILITY AND REDUCTION OF THE LOAD-BEARING CAPACITY OF STEEL CHIMNEYS
 13:20 WITH BURN-THROUGH DAMAGE IN THE SHELL
- 13:20 *Davydov I.*
 – CALCULATION-GUIDED PLANNING OF FIELD INSPECTION FOR A STEEL FRAME BASED ON
 13:30 THE ROBUSTNESS OF THE CODE-BASED ASSESSMENT
- 13:30 *Bohdan S., Kolokhov V., Tymoshenko O.*
 – POLYFRACTIONAL INJECTION GROUTS BASED ON INDUSTRIAL WASTE FOR THE
 13:40 RESTORATION OF DAMAGED BUILDING STRUCTURES
- 13:40 *Davydov I., Udovychenko Ye.*
 – DISCREPANCY BETWEEN FORCE-BASED AND ENERGY-BASED ASSESSMENTS OF THE
 13:50 RESIDUAL SERVICEABILITY OF STEEL SYSTEMS AFTER LOCAL DAMAGE
- 13:50 *Zolotova N., Suprun O., Zolotov S.*
 – PREDICTIVE MODELLING AND PARAMETER OPTIMIZATION OF ADHESIVE JOINTS OF
 14:00 BUILDING STRUCTURES WITH ACRYLIC COMPOSITIONS
- 14:00 *Kozhemiakina I., Sakharchuk S.*
 – OPTIMIZATION OF STRENGTHENING PARAMETERS FOR HOLLOW-CORE FLOOR SLABS
 14:10 WITH ACCOUNT OF SUPPORT JOINT COMPLIANCE
- 14:10 *Kolesnykov A., Semenova S., Kiosak V.*
 – KINETIC THEORY OF GRAPH MOTIFS OF HARDENING AND DEGRADING DISPERSE
 14:20 SYSTEMS
- 14:20 *Korzachenko M., Oleksiienko S., Rudenko M.*
 – RESTORING THE SPATIAL RIGIDITY OF A DEFORMED BRICK BUILDING USING STEEL TIE
 14:30 RODS
- 14:30 *Mishuk K., Kuznietsov V.*
 – METHODOLOGY FOR SELECTING ENGINEERING SOLUTIONS FOR STRENGTHENING
 14:40 SUBSOILS AND FOUNDATIONS AND CORRECTING THE TILT OF BUILDINGS DAMAGED BY
 HOSTILITIES
- 14:40 *Volchuk V., Danishevskyy V., Haidar A., Martysh O.*
 – DEFORMATION PROCESSES IN FURAN COMPOSITES
 14:50
- 14:50 *Korolianchuk D., Ovcharenko V., Volchuk V., Kazarian D.*
 – EFFECT OF PRODUCTION CONDITIONS ON THE FRACTAL STRUCTURE OF A NICKEL-
 15:00 BASED COMPOSITE COATING

SECTION III ENGINEERING, DIGITALIZATION AND SAFETY

14–15 OCTOBER

TOPICS: HUMANITARIAN, PHILOSOPHICAL AND EDUCATIONAL DIMENSIONS OF CURRENT REQUIREMENTS FOR THE CONSTRUCTION AND ARCHITECTURE SECTOR;
ECONOMIC, MANAGERIAL AND ENGINEERING ASPECTS OF THE RECOVERY AND DEVELOPMENT OF POST-WAR UKRAINE;
ENERGY SAVING, RENEWABLE ENERGY SOURCES, ENERGY-EFFICIENT BUILDING ENGINEERING SYSTEMS;
MECHANICAL ENGINEERING, MECHATRONICS, ROBOTICS;
TECHNOGENIC SAFETY, ECOLOGY, PROTECTION OF THE CIVILIAN POPULATION AND CRITICAL INFRASTRUCTURE FACILITIES UNDER MILITARY THREATS;
DIGITALIZATION AND INFORMATION TECHNOLOGIES IN CONSTRUCTION

SESSION 3

Session hours: 10:00 – 16:00

Join the session via the link:

<https://teams.microsoft.com/meet/380276547830067?p=B5MGSX3vzFoJoD6GXx>

Meeting ID: 380 276 547 830 067

Passcode: eR7ii6xh

PRESENTATIONS:

14 OCTOBER

- 10:00 *Beskaravainyi S.*
– RATIONAL LIMITS OF USING ANTHROPOMORPHIC INFRASTRUCTURE STANDARDS FOR
10:10 ROBOTIC AUTONOMOUS AGENTS
- 10:10 *Biedunkova O.*
– THE BUILDING LIFE CYCLE IN AN EDUCATIONAL CONTEXT
10:20
- 10:20 *Bilokon A., Kyslytsia L., Dadiverina L.*
– EFFECTIVENESS OF TECHNOLOGIES FOR RESTORING THE LOST CAPACITY OF STEEL
10:30 GRAIN SILOS
- 10:30 *Kocheharov S.*
– STRATEGIC MECHANISMS FOR MANAGING THE ECONOMIC SECURITY OF
10:40 CONSTRUCTION COMPANIES IN THE COURSE OF POST-WAR RECONSTRUCTION
- 10:40 *Meneiliuk O., Nikiforov O.*
– REDUCING CONSTRUCTION DURATION THROUGH THE INTRODUCTION OF
10:50 CONSTRUCTION MANAGEMENT TEMPLATES
- 10:50 *Obukhova N., Davydenko O.*
– THEORETICAL AND METHODOLOGICAL FOUNDATIONS FOR ADAPTING THE BUSINESS
11:00 PROCESSES OF CONSTRUCTION COMPANIES UNDER THE INFLUENCE OF DIGITAL
TECHNOLOGIES AND VALUE ENGINEERING
- 11:00 *Fisunenko P., Vereshchuk Yu.*
– RISKS IN DEVELOPMENT ACTIVITIES: SELECTED ASPECTS OF THEIR IDENTIFICATION
11:10 USING DIGITAL TECHNOLOGIES
- 11:10 *Fisunenko P., Navizinska A.*
– THE FINANCIAL ARCHITECTURE OF UKRAINE'S POST-WAR RECOVERY: THE ROLE OF THE
11:20 STATE, THE BANKING SECTOR AND PRIVATE CAPITAL

- 11:20 *Fisunenko P., Samokrainii D.*
 – ECO-DEVELOPMENT AS ONE OF THE DIRECTIONS FOR IMPLEMENTING THE CONCEPT OF
 11:30 SUSTAINABLE DEVELOPMENT
- 11:30 *Danishevskyy V., Farenyuk G., Savytskyi M., Haidar A., Yurchenko Y.*
 – THERMAL MODELLING OF BOREHOLE HEAT EXCHANGERS FOR HEAT PUMPS WITH
 11:40 SEASONAL THERMAL ENERGY STORAGE
- 11:40 *Hanzha O.*
 – LATEST GREEN BUILDING TECHNOLOGIES
 11:50
- 11:50 *Kizieiev M., Protsenko S., Tkachuk O., Kravchenko N., Novytska O.*
 – TECHNICAL AND ECONOMIC PERFORMANCE OF A HEAT PUMP HOT WATER SUPPLY UNIT
 12:00 FOR NUWEE DORMITORIES
- 12:00
 – BREAK
 13:00
- 13:00 *Kucher I., Kolesnyk I., Adehov O., Bereziuk H., Holiakova I.*
 – RAPID ESTIMATION OF THE INTERNAL SURFACE TEMPERATURE OF A WALL WITH
 13:10 THERMAL INCLUSIONS
- 13:10 *Lytvyn V.*
 – USE OF ENERGY INFORMATION SYSTEMS IN PUBLIC AND RESIDENTIAL BUILDINGS
 13:20
- 13:20 *Liakhovetska-Tokarieva M., Borets M.*
 – GAS-FIRED HEAT PUMPS AS A TOOL FOR IMPROVING THE ENERGY EFFICIENCY OF
 13:30 BUILDING HVAC SYSTEMS
- 13:30 *Makovetskyi B., Hilov V., Meshcheriakova I., Troshyn M., Tymoshenko L.*
 – GRAPHO-ANALYTICAL METHOD FOR CALCULATING THE THICKNESS OF THE THERMAL
 13:40 INSULATION LAYER OF EXTERNAL WALL ASSEMBLIES OF BUILDINGS
- 13:40 *Makovetskyi B., Tymoshenko L., Diachenko O.*
 – DEVELOPMENT OF A METHOD FOR ACCOUNTING FOR WIND LOAD EFFECTS ON SOLAR
 13:50 POWER PLANTS
- 13:50 *Matiushenko S., Nechepurenko D.*
 – APPLICATION OF A MULTI-CRITERIA APPROACH TO THE SELECTION OF ENERGY-
 14:00 EFFICIENT DESIGN SOLUTIONS
- 14:00 *Olifer D., Liakhovetska-Tokarieva M.*
 – INTEGRATION OF BUILDING-INTEGRATED PHOTOVOLTAIC (BIPV) FAÇADE SYSTEMS IN
 14:10 THE THERMAL RETROFITTING OF MULTI-STOREY RESIDENTIAL BUILDINGS
- 14:10 *Solod L., Bereziuk H., Tkachova V., Prokofieva H.*
 – METHODOLOGY OF PRELIMINARY CALCULATIONS FOR EVALUATING OPTIONS OF
 14:20 MEASURES IN THE DEVELOPMENT / MODERNIZATION OF HEAT SUPPLY SCHEMES OF
 SETTLEMENTS
- 14:20 *Tymofieiev V., Yurchenko Ye.*
 – ASSESSMENT OF ENERGY SAVINGS FROM VENTILATION WITH HEAT RECOVERY IN AN
 14:30 OFFICE ROOM OF A SANDWICH-PANEL BUILDING
- 14:30 *Dikareva L., Sopilniak M., Prudnikov M.*
 – SPECIFICS OF 3D SCANNING OF MEDIUM-SIZED OBJECTS USING THE CREALITY CR-SCAN
 14:40 RAPTOR
- 14:40 *Karasov H., Karasov O.*
 – MODELLING THE ELECTRICAL CONDUCTIVITY OF LIQUID DIELECTRICS USING THE FINITE
 14:50 DIFFERENCE METHOD

- 14:50 *Sukha I., Volodymyrov V.*
 – RESIDUAL PROPERTIES OF COMPOSITE FLUXES WITH ACTIVATORS BASED ON WEAK ORGANIC ACIDS
 15:00
- 15:00 *Siedin V., Balashov A., Kovba V., Balashova Y., Ishutina H.*
 – WARTIME BLAST EFFECTS ON FOUNDATION SETTLEMENT: A MACHINE-LEARNING-ASSISTED SCREENING STUDY
 15:10
- 15:10 *Kichata N., Tretiakov O.*
 – ACCOUNTING FOR CASCADING EFFECTS IN ENSURING THE RESILIENCE OF CRITICAL INFRASTRUCTURE FACILITIES TO MILITARY THREATS
 15:20
- 15:20 *Bezovska M., Tatarinov O., Shepelieva D.*
 – PROBLEMS OF RESTORING LANDS OF UKRAINE DISTURBED BY MILITARY ACTIVITY
 15:30
- 15:30 *Bielikov A., Matsuk Z., Shalomov V., Dihtiar K., Atanesian A., Ikonnikov M.*
 – ON THE METHODOLOGY OF RISK MANAGEMENT IN VIEW OF MODERN THREATS
 15:40
- 15:40 *Bielikov A., Meshcheriakova I., Podkopaiev S., Todorov O., Kharchenko V., Dziuban O.*
 – IMPROVING THE FIRE RESISTANCE OF METAL STRUCTURES THROUGH THE USE OF INTUMESCENT COATINGS AND THEIR THERMOPHYSICAL PROPERTIES
 15:50
- 15:50 *Doronin Ye., Parashchanov V.*
 – IMPROVING THE OPERATIONAL RESILIENCE OF ENTERPRISES THROUGH THE USE OF COGENERATION UNITS
 16:00

15 OCTOBER

- 10:00 *Zhurbenko V., Liubchuk V.*
 – METHODOLOGY FOR ASSESSING THE IMPACT OF THE VISUAL ENVIRONMENT WITH ACCOUNT OF VISUAL COMFORT, WORK CAPACITY AND OCCUPATIONAL SAFETY IN HIGH-COMPLEXITY VISUAL WORK
 10:10
- 10:10 *Zavarykin S., Kozhemiakina I.*
 – MULTILAYER PROTECTIVE STRUCTURES OF PUBLIC TRANSPORT SHELTERS UNDER BLAST LOADS: A NUMERICAL STUDY
 10:20
- 10:20 *Isaiev V., Elkin Yu., Kiosak V.*
 – CO₂ CONCENTRATION DYNAMICS DURING OPERATION OF A SUPPLY AND EXHAUST AIR HANDLING UNIT WITH A PLATE HEAT RECOVERY EXCHANGER
 10:30
- 10:30 *Perelmutter A., Kochkarov D., Azizov T., Halinska T.*
 – METHOD FOR CALCULATING THE DYNAMIC LOAD ON THE ROOF SLABS OF UNDERGROUND PROTECTIVE STRUCTURES
 10:40
- 10:40 *Pylypenko O., Zelenskyi A.*
 – MODELLING THE IRRADIATION OF THE SURROUNDING ENVIRONMENT CAUSED BY FLAT LANDFILLS
 10:50
- 10:50 *Poberezhna Z., Shkolenko O.*
 – INNOVATIVE METHODS FOR THE RESTORATION OF CRITICAL INFRASTRUCTURE FACILITIES BASED ON DIGITAL TECHNOLOGIES
 11:00
- 11:00 *Rudenko V.*
 – IMPROVING OCCUPATIONAL SAFETY MEASURES FOR EMERGENCY RESPONSE WORKERS IN THE ELIMINATION OF THE CONSEQUENCES OF EMERGENCIES UNDER WARTIME CONDITIONS
 11:10
- 11:10 *Chubko L., Khalmuradov B.*
 – INTEGRATED MODELLING OF GROWING AI-DRIVEN HYBRID THREATS TO CRITICAL INFRASTRUCTURE FACILITIES
 11:20

- 11:20 *Balashov A., Usychenko O., Ponomarova O., Balashova Y., Demianenko V.*
 – MACHINE-LEARNING RECONSTRUCTION OF SOIL SURFACE TEMPERATURE FOR FREEZE-THAW EXPOSURE SCREENING OF ROAD INFRASTRUCTURE IN UKRAINE
 11:30
- 11:30 *Hanieiev T., Petrenko I., Shakh Y.*
 – PROSPECTS FOR THE USE OF ARTIFICIAL INTELLIGENCE IN CONSTRUCTION ORGANIZATION
 11:40
- 11:40 *Korzachenko M., Hanieiev T., Rudenko M.*
 – BIM-BASED INTEGRATED DESIGN OF REINFORCED CONCRETE STRUCTURES AND ENGINEERING NETWORKS: ASSESSMENT OF THE STRESS-STRAIN STATE
 11:50
- 11:50 *Lutsenko Y., Movchan O.*
 – ANALYSIS OF THE POSSIBILITY OF DELEGATING ROUTINE BIM WORK IN REVIT TO AN AI AGENT
 12:00
- 12:00
 – BREAK
 13:00
- 13:00 *Yevhen Linchevskyi*
 – IMPROVING THE RESILIENCE OF BUILDINGS AND CRITICAL INFRASTRUCTURE FACILITIES UNDER MILITARY THREATS
 13:10
- 13:10 *Movchan O., Dikarev K.*
 – INFLUENCE OF DESIGN AND ORGANISATIONAL FACTORS ON THE COST AND LABOUR INTENSITY OF A HAND-ASSEMBLED PERMANENT-FORMWORK FRAME
 13:20
- 13:20 *Movchan O., Dikarev K., Volchok D.*
 – CROSS-SECTIONAL OPTIMIZATION OF PERMANENT FORMWORK BLOCKS: FOUR METHODS AND THE CONSTRUCTABILITY BOUND
 13:30
- 13:30 *Movchan O., Nehrei K.*
 – MODEL CHOICE AND CLIENT RETRY POLICY IN AI AGENT-AUTHORED BIM: A SIX-ARM MEASUREMENT ON ONE FIXED MCP
 13:40
- 13:40 *Pyshnyi M., Movchan O.*
 – UNMANNED AERIAL VEHICLES IN CONSTRUCTION: THE REPORTED GAIN HAS MOVED FROM DATA CAPTURE TO AUTOMATIC INTERPRETATION
 13:50
- 13:50 *Smyrnov A., Shekhorkina S., Babenko M., Arvanitis K., Barrachina P.*
 – FROM ENERGY INFORMATION TO SUSTAINED USER ENGAGEMENT: A FUNCTIONAL USER JOURNEY IN THE ENERGENIUS ECOSYSTEM
 14:00
- 14:00 *Bilov V.*
 – DIGITAL PASSPORT OF AN ARCHITECTURAL HERITAGE OBJECT: CREATION AND UPDATING BASED ON HBIM
 14:10
- 14:10 *Brunelli R., Sirenok K., Sereda S.*
 – OPTIMIZATION OF ROUTINE BUILDING INFORMATION MODELLING PROCESSES BASED ON AGENTIC ARTIFICIAL INTELLIGENCE IN THE AUTODESK REVIT ENVIRONMENT
 14:20
- 14:20 *Varhin A., Tytiuk A., Smyrnov A.*
 – DIGITAL TECHNOLOGIES FOR VERIFYING THE STRUCTURAL RELIABILITY OF HIGH-HAZARD BUILDINGS
 14:30
- 14:30 *Hudz S., Rendiuk S., Molchanov P.*
 – NUMERICAL SOLUTION OF THE BUCKLING PROBLEM OF A RECTANGULAR PLATE WITH SEMI-RIGID BOUNDARY CONDITIONS
 14:40
- 14:40 *Dikarev K., Yarova T., Sopilniak M.*
 – 3D SCANNING OF THE BASEMENT OF THE SAVIOUR TRANSFIGURATION CATHEDRAL BUILDING
 14:50

- 14:50 *Korniichuk A.*
- IMPACT OF DIGITAL TECHNOLOGIES ON THE ORGANIZATION AND EXECUTION OF
15:00 CONSTRUCTION WORKS
- 15:00 *Martynov V., Sychov I.*
- INTERNAL INTERFACES AS A LINKING ELEMENT BETWEEN THE PROCESSES OF
15:10 STRUCTURE FORMATION AND FRACTURE OF HARDENED CEMENT PASTE
- 15:10 *Romashkina M.*
- LIRA-FEM PLATE ANALOGUES: INTEGRATION OF SOLID FINITE ELEMENT STRESSES TO
15:20 DETERMINE EQUIVALENT INTERNAL FORCES
- 15:20 *Haidar A., Trehub O., Nechepurenko D., Erz M.*
- STRUCTURING THE PROCESSES OF ACTIVITY-BASED AND PROBLEM-ORIENTED
15:30 LEARNING IN VOCATIONAL EDUCATION
- 15:30 *Trehub O., Haidar A., Danishevskyy V., Volchok D.*
- IMPLEMENTATION OF EUROPEAN SUSTAINABLE DEVELOPMENT STANDARDS WITH
15:40 ACCOUNT OF LIFE-CYCLE INDICATORS OF CONSTRUCTION WORKS
- 15:40 *Sirenok K.*
- THE BRIDGE LEARNING ENVIRONMENT AT THE UKRAINIAN STATE UNIVERSITY OF
15:50 SCIENCE AND TECHNOLOGIES