

REVITALIZATION 2026 – DETAILED PROGRAM OF SCIENTIFIC SESSIONS

10:00 – CONFERENCE COMMENCEMENT

PRESIDIUM:

PROF. A. GARBACZ, PROF. E. RADZISZEWSKA - ZIELINA, DR HAB. INŻ. J. SOBIERAJ

SESSION I - MONDAY, 10:30 – 12:00

REVITALIZATION PROJECT MANAGEMENT, COMPETENCE AND RISK ASSESSMENT

CHAIR:

PROF. R. MUNTEAN, DR. ENG. M. KSIĄŻEK – NOWAK, DR ENG. JERZY ROSŁON

LP.	AUTHORS	TITLE
1	MARIOLA KSIĄŻEK-NOWAK	OCCUPATIONAL STRESS IN THE CONSTRUCTION INDUSTRY: DETERMINANTS, MECHANISMS, CONSEQUENCES AND DETERMINANTS OF EFFECTIVE COPING IN DIFFICULT SITUATIONS DURING THE IMPLEMENTATION OF REVITALIZATION PROJECTS
2	ANDRZEJ MINASOWICZ, JANUSZ ZALESKI, JACEK ZAWISTOWSKI	TRAINING OF MODERN CONSTRUCTION STAFF FOR THE NEEDS OF RENOVATIONS, MODERNIZATION AND REVITALIZATION – EXPERIENCES OF THE E-COIPCIC PROJECT
3	JOLANTA TAMOŠAITIENĖ	VALUE CREATION AND ASSESSMENT BY APPLYING MCDM TECHNIQUES IN CIVIL ENGINEERING, CONSTRUCTION AND MANAGEMENT
4	RADU MUNTEAN	FROM WASTE TO RESOURCE: BLOCKCHAIN-BASED TRACEABILITY FOR CIRCULAR MANAGEMENT OF ORNAMENTAL ROCK WASTE
5	GÖKHAN ARSLAN	BEYOND THE TRIPLE HELIX: THE FOURTH-GENERATION UNIVERSITY AS A PLATFORM FOR SOCIAL, ENVIRONMENTAL AND SPATIAL REVITALISATION
6	ROMAN KOTAPSKI, MARIOLA KSIĄŻEK-NOWAK, PAWEŁ NOWAK, JERZY ROSŁON	IDENTIFICATION OF PROFIT EATERS AS AN ELEMENT OF EQUIPMENT AND TRANSPORT BASE MANAGEMENT IN A REVITALIZATION COMPANY

12:00 - 12:30 – COFFEE BREAK

SESSION II - MONDAY, 12:30 – 14:00

REVITALIZATION OF CITIES AND POST-INDUSTRIAL AREAS

CHAIR: PROF. J. SANTOS, PROF. J. TAMOŠAITIENĖ

LP.	AUTHORS	TITLE
1	JANUSZ SOBIERAJ	BILBAO CITY REGENERATION - URBAN AND TRANSFORMATION PROJECTS
2	VOLKAN ARSLAN, ZEKERIYA DOĞAN, SERKAN KIVRAK, GÖKHAN ARSLAN	IOT-BASED MONITORING AND BIM ENERGY MODEL CALIBRATION FOR GREEN SPORTS FACILITIES
3	MARIOLA KSIĄŻEK-NOWAK, PAWEŁ NOWAK, JERZY ROSŁON, JOSÉ TEIXEIRA	FROM SUSTAINABLE REGENERATION NEEDS TO IMPLEMENTATION CAPACITY: A DATA-DRIVEN DECISION SUPPORT FRAMEWORK FOR EUROPEAN CITIES
4	JOSÉ SANTOS, JUAN NASCIMENTO	GEOMETRIC SURVEYING TECHNIQUES: PHOTOGRAMMETRY VS LASER SCANNING
5	RADU MUNTEAN	FROM WASTELAND TO WONDERLAND: BROWNFIELD REDEVELOPMENT AND URBAN REGENERATION OF THE FORMER TRACTORUL INDUSTRIAL PLATFORM IN BRAȘOV, ROMANIA
6	PIOTR KAPELA, MAREK KAPELA , WOJCIECH TERLIKOWSKI	REVITALIZATION OF POST-INDUSTRIAL FACILITIES

14:00 - 15:30 – LUNCH

SESSION III - MONDAY, 15:30 – 17:00

CULTURAL HERITAGE

CHAIR: PROF. A. CAMIZ, PROF. J. TEIXEIRA, PROF. A. WĘGLARZ

LP.	AUTHORS	TITLE
1	ALESSANDRO CAMIZ	MORPHOLOGY OF MODELS FOR A MEMORIAL MUSEUM: COMMEMORATING THE 8 OCTOBER 1943 BOMBING IN SCONTRONE
2	JANUSZ SOBIERAJ	REVITALIZATION OF THE CITY OF VALENCIA
3	KACPER WASILEWSKI	DEVELOPMENT OF A SUBSTITUTE MATERIAL FOR DESTRUCTIVE LABORATORY TESTING OF HISTORIC WALL STRUCTURES OF A MOSQUE IN OLD DONGOLA (SUDAN)
4	MARTYNA GREGORIOU-SZCZEPANIAK, WOJCIECH TERLIKOWSKI	THE IMPACT OF ENGINEERING ACTIVITIES ON SELECTED NON-TECHNICAL ASPECTS OF REVITALIZATION IN TERMS OF THE PRINCIPLES OF SUSTAINABLE DEVELOPMENT
5	WOJCIECH DROZD, ALEKSANDRA RADZIEJOWSKA, MARCIN KOWALIK, KAZIMIERZ LINCZOWSKI	ANALYSIS OF CHANGES IN THE TECHNICAL CONDITION OF HISTORIC BUILDINGS ON THE BASIS OF MULTI-ANNUAL PERIODIC INSPECTIONS TO SUPPORT SUSTAINABLE REPAIR PLANNING
6	WOJCIECH TERLIKOWSKI	EVALUATION OF THE PROCESS OF REVITALIZATION OF HISTORIC BUILDINGS

18:00 - 22:00 – INTEGRATION DINNER

SESSION IV - TUESDAY, 10:30 – 12:00

DIGITAL TECHNOLOGIES

CHAIR: PROF. J. JURASZEK, PROF. A. LEŚNIAK, PROF. P. WOYCIECHOWSKI

LP.	AUTHORS	TITLE
1	MACIEJ KORDALA, PAWEŁ NOWAK, DARIUSZ WALASEK	PROPTECH DATA DRIVEN ENGINEERING IN THE MANAGEMENT OF THE EXISTING REAL ESTATE STOCK – PART I: INTEGRATION OF DATA AND ANALYTICS IN SUSTAINABLE REVITALIZATION
2	MACIEJ KORDALA, PAWEŁ NOWAK, DARIUSZ WALASEK	PROPTECH DATA DRIVEN ENGINEERING IN THE MANAGEMENT OF THE EXISTING REAL ESTATE STOCK – PART II: STANDARDIZED PROPERTY INVENTORY AS THE BASIS FOR DIGITAL ASSET MANAGEMENT
3	ŁUKASZ KACPRZAK, ŁUKASZ LASKOWSKI, ŁUKASZ KRZEŚNIAK	ARCHITECTURAL AND CONSTRUCTION INVENTORY AS THE FIRST STEP TO REVITALIZE THE BUILDING IN THE LIGHT OF THE LATEST 3D LASER SCANNING AND AI TECHNOLOGIES
4	PAWEŁ NOWAK	DIGITAL TWINS AND BIM IN SUSTAINABLE MANAGEMENT OF SACRED BUILDING HERITAGE: INTEGRATION OF ENGINEERING, CONSERVATION AND CULTURAL VALUES
5	KRZYSZTOF ZIMA	THE USE OF BIM TECHNOLOGY IN THE PROCESS OF REVITALIZATION OF BUILDINGS - COST ANALYSIS ON THE EXAMPLE OF A CASE STUDY
6	ALEKSANDER NICAL	FROM HEATING TUNNELS TO DIGITAL CONTROL – DEVELOPMENT OF THERMAL CURING TECHNOLOGIES IN CONCRETE PRECAST PRODUCTION

12:00 - 12:30 – COFFEE BREAK

SESSION V - TUESDAY, 12:30-14:00

MODERNIZATION, DIAGNOSTICS AND REPAIRS OF EXISTING FACILITIES

CHAIR: PROF. T. FRIDGEIRSSON, PROF. S. TOPRAK, PROF. K. ZIMA

LP.	AUTHORS	TITLE
1	MAŁGORZATA KONSTANZER	THERMAL MODERNIZATION OF HISTORICAL BUILDINGS IN POST-INDUSTRIAL REVITALIZATION AREAS - A CASE STUDY OF A MUNICIPAL HOUSING ESTATE IN ŻYRARDÓW
2	MICHAŁ SALAMONOWICZ	INVESTMENT PROCESS OF THERMAL MODERNIZATION OF HISTORIC BUILDINGS THAT ARE IN THE RESOURCES OF LOCAL GOVERNMENTS – PREPARATION OF THE INVESTMENT PROCESS, DESIGN AND SUPERVISION OF THE IMPLEMENTATION OF WORKS
3	JERZY ROSŁON, JOSÉ SANTOS	SUPPORTING URBAN REVITALIZATION PLANNING WITH OPEN DATA: IDENTIFYING REGENERATION DIMENSIONS ACROSS EUROPEAN URBAN CENTERS
4	MAGDALENA ROGALSKA, ROBERT BUCHOŃ	INTERVENTIONAL FILLING OF BASEMENTS AND VOIDS IN LOESS SUBSTRATE AFTER WASHING THE FOUNDATIONS OF A TENEMENT HOUSE AT UL. KRAKOWSKIE PRZEDMIEŚCIE 30 IN LUBLIN – CASE STUDY
5	MAGDALENA ROGALSKA, ROBERT BUCHOŃ	INTEGRATED LOESS SUBSTRATE MOISTURE MONITORING SYSTEM IN THE CENTER OF LUBLIN
6	PAWEŁ NOWAK, JERZY ROSŁON, JAKUB WALENDZIK	CHALLENGES OF IMPLEMENTING THE BIM METHODOLOGY IN THE INVESTMENT AND CONSTRUCTION PROCESS. PART II – ALGORITHM FOR IMPLEMENTATION ASSESSMENT

14:00 - 15:30 – LUNCH

SESSION VI – TUESDAY, 15:30 – 17:00

SUSTAINABLE REVITALIZATION

CHAIR: PROF. G. ARSLAN, PROF. S. DEMIRKESEN, PROF. R. KOTAPSKI

LP.	AUTHORS	TITLE
1	PIOTR CZYŻEWSKI	SECOND HAND AREA
2	THORDUR FRIDGEIRSSON, HELGI THOR INGASON	THE PROJECTIFICATION CONSENSUS MODEL (PCM) FOR INDUSTRIAL PROJECTS REVITALISATION
3	MAŁGORZATA ULEWICZ	LARGE-SCALE DEGRADED AREAS – ANALYSIS OF THE CONDITIONS FOR THEIR REVITALIZATION AND REDEVELOPMENT
4	SELÇUK TOPRAK, OGUZ DAL, CRAIG A. DAVIS, SEVILAY DEMIRKESEN	FROM PHYSICAL RECONSTRUCTION TO FUNCTIONAL RECOVERY: THE ROLE OF CRITICAL INFRASTRUCTURE IN URBAN REVITALIZATION
5	YASEMIN EZGI AKYILDIZ, MUSTAFA KORKMAZ, SEVILAY DEMIRKESEN, SELCUK TOPRAK	A DIGITAL TWIN FRAMEWORK FOR DISASTER-RESILIENT ORGANIZED INDUSTRIAL ZONES
6	JANUSZ SOBIERAJ	REVITALIZATION OF ZONA VELHA IN FUNCHAL - THE CAPITAL OF PORTUGUESE MADEIRA

17:00 – SUMMARY AND CONCLUSIONS

PRESIDIUM:

PROF. E. PLEBANKIEWICZ, PH.D. P. NOWAK, PH.D. W. TERLIKOWSKI

17:30 - END OF THE CONFERENCE

ADDITIONAL ARTICLES AND PAPERS

LP.	AUTHORS	TITLE
1	DAGMARA ADAMKIEWICZ, ELŻBIETA RADZISZEWSKA- ZIELINA, BARTŁOMIEJ SZEWCZYK	A MULTI-CRITERIA METHOD OF SUPPORTING EDAS DECISIONS IN ASSESSING THE POSSIBILITY OF CONVERTING POST-INDUSTRIAL SITES INTO RESIDENTIAL PURPOSES
2	MACIEJ KORDALA, PAWEŁ NOWAK, DARIUSZ WALASEK	PROPTECH DATA DRIVEN ENGINEERING IN THE MANAGEMENT OF EXISTING REAL ESTATE RESOURCES – PART III: DIGITAL ASSESSMENT OF TECHNICAL CONDITION AND MANAGEMENT OF BUILDING ASSETS
3	MACIEJ KORDALA, PAWEŁ NOWAK, DARIUSZ WALASEK	PROPTECH DATA DRIVEN ENGINEERING IN THE MANAGEMENT OF EXISTING REAL ESTATE RESOURCES – PART IV: FROM ENERGY AUDIT TO MULTI-CRITERIA PRIORITIZATION OF MODERNIZATION
4	MARIOLA KSIĄŻEK-NOWAK	REVITALIZATION OF SELECTED WOODEN ARCHITECTURAL OBJECTS IN POLAND – HISTORICAL, STRUCTURAL AND FUNCTIONAL CONDITIONS
5	MARIOLA KSIĄŻEK-NOWAK, MATEUSZ KULIŃSKI	MULTI-CRITERIA ASSESSMENT OF SELECTED TECHNOLOGIES FOR THE CONSTRUCTION OF STRUCTURAL WALLS IN THE PROCESS OF REVITALIZATION OF RESIDENTIAL BUILDINGS USING THE IDEAL POINT METHOD
6	AGNIESZKA LEŚNIAK, OLGA SKRZYPCZAK	FORECASTING THE RISK OF RENOVATION WORKS IN EXISTING UNIVERSITY BUILDINGS USING ARTIFICIAL NEURAL NETWORKS
7	JERZY ROSŁON	PREDICTING PROCUREMENT-STAGE PRICE UNCERTAINTY IN PUBLIC BUILDING RENOVATION PROJECTS USING OPEN EUROPEAN TENDER DATA
8	JERZY ROSŁON, CAN BORA SEZER, ELIAS SARANTOPOULOS	PRESERVING HERITAGE: INNOVATIVE TEACHING METHODOLOGIES FOR REHABILITATION OF RELIGIOUS SITES