

**TUESDAY / WTOREK 15.10.2013****SESSION 1 / SESJA 1****13.00-14.30****CHAIRMAN : PROF. NZW. DR HAB. INŻ. CHWIEDUK DOROTA**

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| 1 | SZUBEL MATEUSZ,<br>SIWEK TOMASZ                             | THE APPLICATION OF NUMERICAL MODELING FOR THE OPTIMIZATION OF THE OPERATION OF ENERGY DEVICES BASED ON THE EXAMPLE OF AN AIR DISTRIBUTION SYSTEM INSIDE THE BIOMASS BOILER |
| 2 | ROJEWSKA-WARCHAŁ<br>MAŁGORZATA, NOWAK-DZIESZKO<br>KATARZYNA | MEASUREMENTS OF THE THERMAL COMFORT IN THE W70 PANEL BUILDING  |
| 3 | NOWAK KATARZYNA, ZASTAWNA-<br>RUMIN ANNA                    | ANALYSIS OF TEST STUDIES OF THE BUILDING BARRIER CONTAINING PCM  |
| 4 | MACHNIEWICZ ANNA, HEIM<br>DARIUSZ                           | MODELLING OF LATENT HEAT STORAGE IN PCM MODIFIED COMPONENTS  |
| 5 | PIETRZAK JOANNA, GAWELL<br>EWELINA, NOWAK ANNA              | MODELING OF BIOCLIMATIC SKYSCRAPERS' FAÇADES WITH GENERATIVE DESIGN METHODS  |
| 6 | NOWAK-DZIESZKO KATARZYNA,<br>ROJEWSKA-WARCHAŁ<br>MAŁGORZATA | THERMAL COMFORT OF THE INDIVIDUAL FLATS OF MULTI-FAMILY PANEL BUILDING   |
| 7 | ZASTAWNA-RUMIN ANNA   | INFLUENCE OF PHASE CHANGE MATERIALS ON ENERGY BALANCE AND THE RISK OF OVERHEATING  |

**SESSION 2 / SESJA 2****16.00-17.00****CHAIRMAN: DR HAB. INŻ. HEIM DARIUSZ**

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| 1 | MIKOŁAJCZYK MAGDALENA  | DYNAMIC COMPACTION OF COHESIVE SOILS – THEORETICAL ASPECTS AND MODELING  |
| 2 | BRZOWSKI TOMASZ  | ECONOMICAL ENERGY EFFICIENT HOUSE- CONCEPTUAL DESIGN AND THE SELECTION OF TECHNOLOGIES ECONOMICALLY VIABLE                                     |
| 3 | IRENEUSZ CHRABAŚCZ, JANUSZ<br>PRUS, WALDEMAR STEC, DUDZIK<br>MAREK,                    | INITIAL ANALYSIS OF THE POSSIBILITY TO SUBSTITUTE A GIVEN TRAM SUBSTATION WITH SEVERAL ONES, SMALLER IN SIZE                                   |
| 4 | DUDZIK MAREK, REPELEWICZ<br>MICHAŁ, ŁATKA DAWID,<br>STEWARSKI EDWARD, STRĘK<br>ANNA M. | A PRELIMINARY STUDY OF EFFECTIVENESS OF A SHORT-TERM PROGNOSIS OF MINING TOWERS TOPS' DISPLACEMENTS WITH THE USE OF ARTIFICIAL NEURAL NETWORKS |
| 5 | DUDZIK MAREK, REPELEWICZ<br>MICHAŁ, ŁATKA DAWID,<br>STEWARSKI EDWARD, STRĘK<br>ANNA M. | ACCURACY OF A SHORT-TERM PROGNOSIS OF MINING TOWERS TOPS' DISPLACEMENTS WITH THE USE OF ARTIFICIAL NEURAL NETWORKS - A PRELIMINARY RESEARCH    |

**SESSION 3 / SESJA 3****17.30-18.30****CHAIRMAN: DR HAB. INŻ. RADZISZEWSKA-ZIELINA ELŻBIETA & DR HAB. INŻ.****KOSECKI ANDRZEJ**

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| 1 | FILA KATARZYNA, FURMAN<br>MAGDALENA, GINTOWT JOLANTA  | LIGHT POLLUTION HISTORIC CENTERS, SELECTED ISSUES  |
| 2 | ŚLADOWSKI GRZEGORZ, ZIELINA-<br>RADZISZEWSKA ELŻBIETA | MODELLING TECHNOLOGICAL AND ORGANIZATIONAL VARIANTS OF CONSTRUCTION ENTERPRISES            |
| 3 | LEWIŃSKA MIROŚŁAWA, SZELĄG<br>AGATA                   | MATHEMATICAL MODELS DESCRIBING THE SOUND REFLECTION FROM OVERHEAD STAGE CANOPIES           |
| 4 | JANICKI MARCIN, HEIM DARIUSZ                          | THE EFFECT OF WIND SPEED REDUCTION ON AIR MOVEMENT IN A DSF CAVITY                         |
| 5 | DĄBROWA RAFAŁ, WOJTAS<br>KAZIMIERZ                    | CONTROLLABILITY OF INDOOR AIR QUALITY PARAMETERS IN A TEST CHAMBER OF ZOOLOGICAL INSTITUTE |

**WEDNESDAY / ŚRODA 16.10.2013****SESSION 4 / SESJA 4****9.00-10.30****CHAIRMAN: CSc. DOC. ING. DURICA PAVOL**

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| 1 | KONDÁŠ KRISTIÁN                                  | ILLUMINANCE OF THE WORKING PLANE IN ATTIC SPACES UNDER DIFFERENT EXTERIOR DALYIGHT CONDITIONS  |
| 2 | URBANEK MAŁGORZATA, PAWLAK-BURAKOWSKA ALEKSANDRA | VERIFICATION OF ACCORDANCE OF SIMULATION MODEL WITH LABORATORY MODEL FOR TRANSFER OF MICRO TO MACRO SCALE FOR RAILWAY FOUNDATION LONGASF |
| 3 | ZOZULAK MAREK                                    | INFLUENCE OF MODELING WINDOW FRAME CAVITIES AND SIMPLIFIED FRAME PROFILE ON THE SURFACE TEMPERATURE                                      |
| 4 | RENCKO TOMAS, SEDLAKOVA ANNA                     | LAYOUT OF AIR HOLES FOR UNDERFLOOR AIR CAVITIES CREATED FROM SPECIAL SHAPED UNITS  |
| 5 | PAWŁOWSKA AGATA                                  | ECOLOGICAL AND ECONOMIC ANALYSIS OF A BUILDING HEATING SYSTEM THERMAL MODERNIZATION EFFICIENCY   |
| 6 | BAKOWSKI TYMOTEUSZ, SABINA KUC                   | AIR-SHAFTS IN THE INTERWAR PERIOD BUILDINGS, AS A PROTOTYPE IDEA OF THE GROUND HEAT EXCHANGER IN PASSIVE HOUSES                          |
| 7 | ŁUKASZ ŁUKASZEWSKI                               | CRITERIA FOR PROJECT ANALYSIS BASED ON THERMOMODERNIZATION OF PUBLIC BUDILDING   |

**SESSION 5 / SESJA 5****13.30-14.30****CHAIRMAN: PROF. DR HAB. INŻ. DARIUSZ GAWIN**

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| 1 | CHUDY MAGDALENA                                      | INFLUENCE OF ARCHITECTURE ON ENVIRONMENT   |
| 2 | KWAPIŃSKA KAROLINA                                   | REVITALISATION OF DEGRADED AREAS AS EXEMPLIFIED BY THE ARCHITECTURAL DEVELOPMENTS IMPLEMENTED WITHIN THE FRAMEWORK OF THE LEED CERTIFICATION PROGRAMME |
| 3 | CYUNEL MAREK   | ECODESIGNER - NEW TECHNOLOGY FOR SUSTAINABLE DESIGN IN THE ARCHITECTS' BIM WORK ENVIRONMENT  |
| 4 | KRAJEWSKA KATARZYNA, ŚLIWIŃSKA MAJA, GINTOWT JOLANTA | DESIGNING OF PASSIVE RESIDENTIAL BUILDINGS, CASE STUDY.  |
| 5 | MILEWSKI TOMASZ, PAŁUCHA KAMIL, GINTOWT JOLANTA      | URBANIZATION URBAN AREA IN THE SUSTAINABLE DEVELOPMENT   |
| 6 | STANUSZEK KINGA, TABAK PAULINA, GINTOWT JOLANTA      | VISION & REALITY - GLÜCKSTEIN QUARTIER, DIAMONT APARTMENTS & LUCK STONES NEIGHBORHOOD  |
| 7 | KOFIŃSKI MARCIN                                      | PREFABRICATION AS THE FUTURE OF PASSIVE HOUSING - CASE STUDY   |

**SESSION 6 / SESJA 6****16.00-17.30****CHAIRMAN: DR HAB. INŻ. KISILEWICZ TOMASZ**

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| 1 | RODACKI KONRAD                        | ANALYSIES OF JOIN RIGIDITY INFLUENCE FOR INNER FORCES DISTRIBUTION WOOD MEMBER DOME                          |
| 2 | KRÓWCZYŃSKI MICHAŁ                    | INNOVATIVE METHODS OF THE ANALYSIS OF THE REINFORCE D CONCRETE STRUCTURES – THE STRUT AND TIE METHOD         |
| 3 | KRASSOWSKA JULITA                     | EFFECT OF FIBERS REINFORCEMENT ON THE LOAD DISTRIBUTED SHEAR ZONES IN DOUBLE SPANS REINFORCED CONCRETE BEAMS |
| 4 | ŁUKASZ ŁUKASZEWSKI, BARTŁOMIEJ ZIARKO | BROWNFIELD REVITALIZATION - CASE STUDY. SELECTED CRITERIA.   |
| 5 | PRZEWOŹNIK ALEKSANDRA                 | POLYURETHANE – ALTERNATIVE TO WOOL AND POLYSTYRENE   |
| 6 | GÓJSKA ADRIANNA, RAP ŁUKASZ           | DRAINAGE PLATES IZOPET-R   |
| 7 | SROKA-BURDZIŃSKA, AGNIESZKA           | LATERAL-TORSIONAL BUCKLING OF GLUED LAMINATED TIMBER BEAMS ACCORDING TO PN-EN 1995-1-1                       |

**SESSION 7 / SESJA 7****17.45-18.45****CHAIRMAN: DR INŻ. WOJTAS KAZIMIERZ**

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| 1 | MURZYN IZABELA                                   | THE VIBRATION COMFORT CRITERIA FOR FOOTBRIDGES. THE VIBRATION COMFORT CRITERIA ASSESSMENT FOR THE PEDESTRIANS AND CYCLISTS FOOTBRIDGE A SPAN OF 50 M |
| 2 | MALARA JAROSŁAW                                  | RESEARCH ON WORKING TIME IN THE CONSTRUCTION SECTOR  |
| 3 | WOSZCZENKO JAKUB                                 | ANALYSIS OF THE POSSIBLE SOLUTIONS FOR THE MOUNT ZAR FUNICULAR TRACK INSTABILITY PROBLEM   |
| 4 | STOCHEL-CYUNEL JAGODA, FEDORCZAK-CISAK MAŁGORZTA | BUILDINGS ACTIVE AND PASSIVE (WITH EXTREME ENERGY DEMAND) IN THE CONTEXT OF THE PARAMETERS OF USE (INDOOR CLIMATE)                                   |
| 5 | POLAR RAFAŁ, GINTOWT JOLANTA, KŁOSAK ANDRZEJ     | EFFECT OF REVERBERATION ON SPEECH INTELLIGIBILITY, PSEUDOWORD TESTS "IN SITU"  |

**THURSDAY / CZWARTEK 17.10.2013****SESSION 8 / SESJA 8****9.00-10.30****CHAIRMAN: PROF. PHD. ING. KATUNSKY DUSAN**

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| 1 | GUZDEK PAWEŁ, PETRYK PIOTR                           | WATER AND SEWAGE MANAGEMENT IN THE PAPER INDUSTRY   |
| 2 | HODUREK MATEUSZ                                      | APPLYING GLASS FOAM GRANULATE ON THE EXAMPLE OF AN OFFICE BUILDING  |
| 3 | CABAŁA KORNELIA, ZAWORSKI SEBASTIAN, GINTOWT JOLANTA | THE IMPACT OF A WINDOW MONTAGE ON A HEAT TRANSFER COEFFICIENT AND AN ENERGY BALANCE OF A BUILDING                   |
| 4 | PAWLIK KAROLINA, JOLANTA GINTOWT                     | AN ATTEMPT TO DETERMINE THE THERMAL FLOW OF THE BUILDING ENVELOPE, RESEARCH IN SITU                                 |
| 5 | KURAŃSKA MARIA, PROCIAK ALEKSANDER                   | ENVIRONMENT FRIENDLY POLYURETHANE-POLYISOCYANURATE FOAMS FOR APPLICATIONS IN THE CONSTRUCTION INDUSTRY              |
| 6 | SZNURAWA ALICJA                                      | ANALYSIS OF PHOTOVOLTAIC SYSTEMS FOR FRENCH HOUSEHOLDS  |
| 7 | TOPOLSKI MICHAŁ, ŻUREK JAKUB, GINTOWT JOLANTA        | CORRELATION TEST OF QUALITATIVE RESEARCH IN SITU QUANTITATIVE ANALYSIS OF MES IN TERMS OF TWO-DIMENSIONAL HEAT FLOW |

**SESSION 9 / SESJA 9****10.30-12.00****CHAIRMAN: DR HAB. INŻ. MICHAŁ ZIELINA**

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| 1 | KNERA DOMINIKA, HEIM DARIUSZ                                 | TWO METHODS OF MODELLING PHOTOELECTRIC CONVERSION IN BUILDING PERFORMANCE SIMULATION                               |
| 2 | PRZECHERSKI PIOTR, WOLAK ANDRZEJ                             | GENERAL-PURPOSE UNMANNED RESEARCH VEHICLE USED FOR MEASUREMENT OF DEPTHS OF WATER RESERVOIRS                       |
| 3 | MŁYŃSKA ANNA   | EXPERIMENTAL ANALYSIS OF BIELANY WASTEWATER TREATMENT PLANT HYDRAULIC LOAD VARIABILITY                             |
| 4 | BRACHACZEK WACŁAW, SIEMIŃSKI WOJCIECH                        | RESEARCH ON THE INFLUENCE OF COLLOIDAL SILICA ADDITION ON WATER VAPOUR PERMEABILITY OF PAINT COATING               |
| 5 | PAULINA LISZKA, SZYMON FRYC, ŁUKASZ DZIDA, WACŁAW BRACHACZEK | EFFECT OF REDISPERSIBLE RESINS ON THE MECHANICAL PROPERTIES AND CAPILLARITY OF HARDENED CEMENT MORTARS             |
| 6 | ZEMELKA GABRIELA   | FATE OF THREE HERBICIDES (TEMBOTRIONE, NICOSULFURON AND S-METOLACHLOR), ALONE OR IN MIXTURE, IN LIMAGNE PLANE SOIL |