

PARALLEL SESSIONS (May 25, 10:30-12:30)

CIVIL ENGINEERING 3 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – great hall

Moderator: Igor Jokanović

ULTIMATE STRENGTH OF COMPRESSED SLABS AND BOX GIRDERS, Dragan Milašinović, Dijana Majstorović, Radovan Vukomanović, Radomir Cvijić
SOME NUMERICAL ASPECTS OF A LINEAR STATIC ISOGOMETRIC ANALYSIS OF AN ARBITRARILY CURVED PLANE BERNOULLI-EULER BEAM, Aleksandar Borković, Gligor Radenković, Snježana Milovanović, Dijana Majstorović
EMPIRICAL DETERMINATION OF THE FUNDAMENTAL PERIOD OF FREE VIBRATION OF RC BUILDINGS, Andrija Radović, Predrag Mitković
EXPERIMENTAL AND NUMERICAL ANALYSIS OF A SIMPLE FRAME STRUCTURAL MODEL WITH TUNED LIQUID DAMPER, Mladen Šiljegović, Marina Latinović, Ognjen Mijatović, Aleksandar Borković, Valentina Golubović-Bugarski
ASSESSMENT OF THE HUMAN EXPOSURE TO VIBRATION AND NOISE IN RESIDENTIAL BUILDINGS, Valentina Golubović-Bugarski, Mladen Todić
STUDY ON SEISMIC REINFORCEMENT MEASURES AND SCHEMES OF IRREGULAR FRAME STRUCTURES, Feng Ziyu
PAVEMENT STRUCTURES AT THE INTERSECTION AREA, Dragana Zeljić, Igor Jokanovic, Žarko Grujić, Mila Svilar, Bojana Grujić
ECOLOGICAL ASPECTS OF SNOW AND ICE CONTROL ON ROADS, Mila Svilar, Igor Jokanovic, Dragana Zeljić, Žarko Grujić, Bojana Grujić

GEODESY3 _Banski Dvor Cultural Centre – red hall

Moderator: Miro Govedarica

NEW COMPETENCES IN ACADEMIC EDUCATION THROUGH REALISATION OF THE BESTSDI AND EO4GEO PROJECTS, Željko Bačić, Vesna Poslončec-Petrić, Dražen Tutić
INFRASTRUCTURE OF GEOSPATIAL DATA OF THE REPUBLIC OF SRPSKA - ADDRESS REGISTER AND REGISTER OF SPATIAL UNITS, Tatjana Sarajlić, Zoran Milovanović
THE APPLICATION OF THE WEB BASED SYSTEM BY INTEGRATING WEB GIS TOOLS AND THE SDI FOR THE REAL ESTATE MANAGING AND MAPPING, Tatjana Baroš, Tatjana Sarajlić
GEOPORTAL FOR SEARCHING AND VISUALIZATION OF CADASTRAL DATA, Mladen Đurić, Mladen Amović
LAND USE / LAND COVER MAPPING FROM SENTINEL 2 DATA USING MACHINE LEARNING ALGORITHMS.), Gordana Jakovljević, Dragoljub Sekulović, Miro Govedarica
DIGITAL MODELING OF EARTH'S SURFACE RELIEF, Dejan Vasić, Slavko Vasiljević, Radenko I. Višnjić
APPRAISAL OF RESIDENTIAL PROPERTIES, Dragana Skorup

ARCHITECTURE 3 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – amphitheater

Moderator: Nevena Novaković

COOPERATION BETWEEN ARCHITECTS AND STRUCTURAL ENGINEERS IN THE DESIGN OF COMPLEX REINFORCED CONCRETE ROOF STRUCTURES, Nađa Kurtović Folić, Radomir Folić
IMPROVING DESIGN OF DAIRY COWS HOUSING IN BOSNIA AND HERZEGOVINA, Tanja Trkulja, Miljan Erbez
ART OF JACKSON POLLOCK IN URBAN PLANNING AND DESIGN - NOTION OF "LIFE" IN CITY SPACE, Valentina Milovanović, Dubravko Aleksić
MODERN STRUCTURAL CONCEPTS FOR HIGH-RISE BUILDINGS, Ilda Kovačević, Sanin Džidić
THE POSSIBILITY OF REVITALISATION AND PURPOSE ALTERATION OF SCHOOLS IN CRNA TRAVA MUNICIPALITY, Ana Momčilović-Petronijević, Mila Cvetković, Aleksandra Čurčić
THE ARCHITECTURE OF SCHOOLS IN BANJA LUKA BUILT IN 1878-1918, Miroslav Malinović



CONTEMPORARY THEORY AND PRACTICE IN CONSTRUCTION XIII
SCIENTIFIC CONFERENCE WITH INTERNATIONAL PARTICIPATION Banja Luka, May, 24–25, 2018
САВРЕМЕНА ТЕОРИЈА И ПРАКСА У ГРАДИТЕЉСТВУ XIII
НАУЧНИ СКУП СА МЕЂУНАРОДНИМ УЧЕШЋЕМ Бања Лука, 24–25.05. 2018

CONFERENCE PROGRAMME

Day 1 May 24

- 8:30-9:30** Registration _Banski Dvor Cultural Centre - reception hall
9:30-10:00 Opening ceremony _Banski Dvor Cultural Centre - concert hall
Address by the organisers and co-organisers and RS Government representatives
10:00-11:15 Plenary speakers _Banski Dvor Cultural Centre - concert hall
Moderators: Biljana Antunović, Dragan Milašinović, Brankica Milojević, Miro Govedarica
Hugo Hens - ENERGY EFFICIENCY IN RESIDENTIAL BUILDINGS, LESS STRAIGHT FORWARD THEN PRESUMED
Igor Emri - PRESSURE OPTIMISED VISCOELASTIC VIBRATION- AND IMPACT- INSULATION
11:15-11:45 Coffee break _Banski Dvor Cultural Centre - reception hall
11:45-13:00 Plenary speakers _Banski Dvor Cultural Centre - concert hall
Moderators: Dragan Milašinović, Brankica Milojević, Biljana Antunović, Miro Govedarica
Tillmann Klein - AN APPROACH TO CIRCULAR BUILDING RENOVATION USING PRODUCT SERVICE CONCEPTS
Karel Janečka - 3D CADASTRE - A MOTIVATION AND RECENT DEVELOPMENTS OF TECHNICAL ASPECTS
13:00-13:30 Sponsor presentations _Banski Dvor Cultural Centre - concert hall
GP Krajina - Katarina Prodanović
Delta Real Estate - Marko Kecman
Knauf insulation - Dario Henezi
13:30-14:30 Lunch break _Banski Dvor Cultural Centre - exhibition hall
14:30-16:30 Parallel sessions
CIVIL ENGINEERING 1 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – great hall
GEODESY 1 _Banski Dvor Cultural Centre – red hall
ARCHITECTURE 1 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – amphitheater
16:30-17:00 Coffee break _Banski Dvor Cultural Centre - reception hall
17:00-18:30 Parallel sessions
CIVIL ENGINEERING 2 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – great hall
GEODESY 2 _Banski Dvor Cultural Centre – red hall
ARCHITECTURE 2 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – amphitheater
20:00-00:00 Formal dinner _Hotel Jelena

Day 2 May 25

- 10:00-10:30** ERASMUS+ project presentations _Banski Dvor Cultural Centre or ASARS
KLABS - The new study programme of the Architecture and Urban Design master studies (60 ECTS) – Nevena Novaković
K-FORCE - The new master programme of the Civil Engineering study programme – Disaster Risk Management – Gordana Broćeta
BESTSDI - Modernizing the study programme of Geodesy: Western Balkans Academic Education Evolution and Professional's Sustainable Training for Spatial Data Infrastructures – Mladen Amović
10:30-12:30 Parallel sessions and round table discussion
CIVIL ENGINEERING 3 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – great hall
GEODESY 3 _Banski Dvor Cultural Centre – red hall
ARCHITECTURE 3 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – amphitheater
Round table discussion on the topic - EUROPEAN STANDARDS IN STRUCTURAL ENGINEERING _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – small hall
12:30-13:30 Cocktails with refreshments _Banski Dvor Cultural Centre - exhibition hall

PARALLEL SESSIONS (May 24, 14:30-16:30)

CIVIL ENGINEERING 1 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – great hall

Moderator: Dragica Jevtić

PHENOMENA OF INSTABILITY IN NON-CONSERVATIVE DYNAMICAL SYSTEMS, Dragan Milašinović
APPLICATION OF THE FEMA310 DOCUMENT FOR SEISMIC EVALUATION OF MASONRY EXISTING BUILDINGS, Marina Latinović, Žarko Lazić, Gordana Bročeta
THE INFLUENCE OF CONCRETE VISCOUS DEFORMATIONS IN THE CALCULATION OF THE HIGH-RISE BUILDINGS BEHAVIOR OVER TIME, Anđelko Cumbo
TECHNO-ECONOMIC ANALYSIS OF CASTELLATED AND SOLID "I" STEEL BEAMS IN TERMS OF LOAD CAPACITY AND SERVICEABILITY, Srđan Pavlović, Mladen Slijepčević
COMPARISON OF FIRE RESISTANCE OF REINFORCED CONCRETE SLABS ACCORDING TO EC2 AND BRANZ Tr8, Sanin Džidić
INFLUENCE OF FINE RECYCLED CONCRETE AGGREGATE ON THE PROPERTIES OF ASPHALT MIXTURES Aleksandar Radević, Goran Mladenović, Dragica Jevtić, Dimitrije Zakić, Marina Askrabić
THE INFLUENCE OF COMPONENT MATERIALS TYPES AND APPLICATION ON THE CHLORIDE ION CONTENT IN SELF-COMPACTING CONCRETE, Gordana Bročeta, Mirjana Malešev, Vlastimir Radonjanin, Žarko Lazić, Marina Latinović
MODELING THE RHEOLOGICAL PROPERTIES OF FRESH CONCRETE USING A 3D FINITE ELEMENT MODEL, Dragan Nikolić, Goran Ćirović, Snežana Mitrović

GEODESY 1 _Banski Dvor Cultural Centre – red hall

Moderator: Dragan Macanović

ANALYSIS OF POSITIONING RESULTS OBTAINED BY A SINGLE BASE RTK WITH AUTONOMOUS BASE START AND TILT OPTION, Danijel Šugar, Luka Zalović, Željko Bačić
3D MODELS OF OBJECTS IN PROCESS OF RECONSTRUCTION, Jovana Radović, Dragana Popović, Dušan Jovanović, Vladimir Pajić
USE OF OPEN DATA AND APPLICATIONS IN THE EDUCATION PROCESS, Dušan Jovanović, Bojan Popović, Miro Govedarica
THE ROLE OF STAKEHOLDERS IN MODERNIZING EDUCATION CURRICULA IN THE FIELD OF GEODESY, Branko Božić, Željko Cvijetinović, Nenad Brodić
COMPARISON OF PERFORMANCE OF ENGINEERING STUDENTS IN DESCRIPTIVE GEOMETRY IN RELATION TO THEIR STUDY PROGRAM, Sandra Kosić-Jeremić, Maja Ilić

ARCHITECTURE 1 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – amphitheater

Moderator: Malina Čvoro

SPACE, CONSTRUCTION AND PLANNING. AN OVERVIEW OF THE CURRENT URBAN CONDITION OF SURROUNDINGS IN POST-SOCIALIST CITIES IN THE SEE REGION, Dobrivoje Tošković, Igor Kuvač
THE ROLE OF INDUSTRIAL HERITAGE IN PRESERVING THE IDENTITY OF A CITY. CASE STUDY SMEDEREVO, Aleksandra Đukić, Ana Špirić, Branislav Antonić, Milica Ristović
BUILDING HERITAGE AS AN IMPORTANT FACTOR OF PLACE BRANDING, Jasna Gužijan, Siniša Cvijić
INTEGRATED URBAN PLANNING IN THEORY AND PRACTICE, Brankica Milojević
URBAN FACILITIES FOR A THOUSAND THINGS. COLLECTIVE FORM PROJECTS IN THE SOUTH OF GRANADA, Juan Luis Rivas Navarro, Belén Bravo Rodríguez
INTEGRATED URBAN PLANNING OF BANJA LUKA - POSSIBILITIES AND CHALLENGES OF NEW URBAN PLAN, Brankica Milojević, Igor Kuvač
THE STUDY OF PARTICULARITY OF BANJA LUKA WATERFRONT IN VIEW OF DEFINING THE COURSE OF ITS FUTURE DEVELOPMENT, Malina Čvoro
DESIGN PARTICIPATION: FROM RHETORIC TO PRACTICE (AND BACK?), Radojka Jandrić, Dragana Konstantinović

PARALLEL SESSIONS (May 24, 17:00-18:30)

CIVIL ENGINEERING 2 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – great hall

Moderator: Gordana Bročeta

CONSOLIDATION WITH VERTICAL DRAINS, Dragan Lukić, Elefterija Zlatanović, Aleksandar Prokić
RELIABILITY OF THE RESULTS OF THE CALCULATIONS IN THE FUNCTION OF THE SELECTED SOIL MODEL, Mato Uljarević, Ljubomir Palikuća, Dajana Biorac
WATER PERMEABILITY OF ROCK MASS, Marin Zelenika, Mato Uljarević, Ljubomir Palikuća
FLOOD FREQUENCY ESTIMATION UNCERTAINTY IN PRACTICE: CASE STUDY OF SREMSKA MITROVICA, SAVA RIVER, Nina Kondić, Žana Topalović
SYSTEM IRRIGATION OF RASPBERRY ON THE TERRITORY OF BRATUNAC MUNICIPALITY, Risto Stjepanović
ANALYSIS AND LOCATION'S SELECTION FOR MINI HYDRO POWER PLANT'S CONSTRUCTION ON RIVER VRBAS, Slađana Janković, Ena Hadžić, Goran Janjić

GEODESY 2 _Banski Dvor Cultural Centre – red hall

Moderator: Miodrag Regodić

GEODETTIC DETERMINATION OF VERTICAL DISPLACEMENT OF BUILDINGS DURING CONSTRUCTION, Slavko Vasiljević, Zagorka Gospavić, Mladen Amović
3D LASER SCANNING AND IMAGING LASER SCANNING IN STORAGE TANKS METROLOGY CONTROL PROCESS, Ankica Milinković, Sanja Tucikesić, Kornelija Ristić
DEVELOPMENT OF SOFTWARE FOR GEODETTIC NETWORK ADJUSTMENT IN OPEN-SOURCE ENVIRONMENT, Zoran Kokeza, Miroslav Vujasinović
GEODETTIC MONITORING OF STABILITY OF THE CONSTRUCTION PIT DIAPHRAGM OF THE OBJECT, Kornelija Ristić, Sanja Jaćimović, Branko Božić, Nenad Gligorić, Dejan Ćetojević
PHOTOGRAMMETRIC SURVEY OF OPEN PIT MINE, Miodrag Regodić, Dragan Macanović, Mladen Đurić, Nemanja Abadžić
ON THE POSSIBILITY OF GEOMETRIC CHANGES OF LARGE DAMS DETERMINATION BY GEODETTIC METHODS, Žarko Nestorović, Milan Trifković, Tihomir Milutinović, Goran Pejičić

ARCHITECTURE 2 _ASARS (Academy of Sciences and Arts of the Republic of Srpska) – amphitheater

Moderator: Darija Gajić

COMPARISON OF THREE CALCULATION METHODS OF ENERGY PERFORMANCE CERTIFICATES IN SLOVENIA, Wadie Kidess, Marko Pinterić
ENERGY PERFORMANCE OF THE EDUCATIONAL BUILDING ENVELOPE ACCORDING TO A PASSIVE AND LOW-ENERGY STANDARD, Slobodan Peulić, Aleksandar Janković, Darija Gajić, Saša Čvoro, Biljana Antunović
ANALYSIS OF A LINEAR THERMAL TRANSMITTANCE OF A SIMPLE BALCONY THERMAL BRIDGE, Anita Prapotnik Brdnik, Marko Pinterić, Martin Horvat
METHODOLOGY DEVELOPMENT FOR CREATION OF SCHOOL BUILDINGS TYPOLOGY IN SERBIA, Milica Jovanović Popović, Dušan Ignjatović, Bojana Stanković
ARCHITECTURAL MEASURES FOR FACILITATION OF INDOOR AIR QUALITY IN BUILDINGS, Saša Čvoro
EFFICIENCY ANALYSIS OF THE REFRIGERATION SYSTEM IN FRATELLO TRADE AD BANJA LUKA, Gordana Tica, Petar Gvero, Danijela Kardaš

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