



THE 8th INTERNATIONAL CONFERENCE
"CIVIL ENGINEERING - SCIENCE AND PRACTICE"

GNP 2022 - Kolašin, Montenegro, 8-12 March 2022

GNP 2022 Detailed Programme

TUESDAY, 8 March 2022 - Cultural Centre Kolašin

16:00-17:30 OPENING CEREMONY and WELCOME COCKTAIL

17:30-18:00 Invited lecture:

Paulo Cachim

SMART CARBON-CONCRETE SENSORS
FOR TRANSPORT INFRASTRUCTURES

18:00-18:30 Invited lecture:

Svetislav Popović, Christian Stelzl

STATE OF THE ART IN THE DESIGN OF STEEL ROLLER-COASTERS

SPONSORS' PRESENTATIONS

09:30-09:50 *DIASEN srl, Sassoferrato, Ancona, Italy*
ADING, Skopje, North Macedonia

09:50-10:00 *Pause*

INVITED LECTURES

10:00-11:00 *Luisa Maria Gil-Martín, Luisa Maria Hdz-Gil, Stefano Miccoli, Enrique Hernández-Montes*
ORIGIN OF THE CATENARY, THE TRUE FORM OF THE ARCH: TAQ-I KISRA
Ivana Štimac Grandić
VIBRATION SERVICEABILITY OF FOOTBRIDGES: CURRENT STATE AND COMMENTARY ON CODES, NORMS AND GUIDELINES

T1: THEORETICAL AND EXPERIMENTAL RESEARCH

16:00-17:30 *Vasilije Bojović, Marina Rakočević*
FREE VIBRATION ANALYSIS OF SYMMETRIC CROSS-PLY LAMINATED COMPOSITE PLATES
Meri Cvetkovska, Koce Todorov, Maosen Cao, Vladimir Vitanov, Cvetanka Chifliganec, Milica Jovanoska, Riste Volcev, Nikola Postolova
NUMERICAL ANALYSIS ON FIRE RESISTANCE OF RC FRAME STRUCTURES DAMAGED BY SEISMIC ACTION
Aleksandar Čeranić, Milica Bendić, Saša Kovačević, Nenad Marković
INFLUENCE OF LONGITUDINAL STIFFENERS ON BEHAVIOR AND ULTIMATE RESISTANCE OF PLATE GIRDERS SUBJECTED TO PATCH LOADING
Marina Četković
LAYERWISE FINITE ELEMENT FOR FREE VIBRATION OF GEOMETRICALLY IMPERFECT COMPOSITE PLATES
Ivan Duvnjak, Suzana Ereiz, Domagoj Damjanović, Marko Bartolac, Janko Koščak, Jurica Pajan
CHALLENGES IN MODEL UPDATING OF CULTURAL HERITAGE STRUCTURES
Tomaž Žula, Stojan Kravanja, Primož Jelušič
SUSTAINABILITY PROFIT GENERATED BY THE OPTIMIZATION OF SIMPLY SUPPORTED BEAMS

17:30-17:40 *Pause*

SPONSORS' PRESENTATIONS

17:40-19:00 *VIGORIS ECOTECH, Podgorica, Montenegro*
GeoGIS CONSULTANTS, Belgrade, Serbia
BBR ADRIA, Zagreb, Croatia
ARDEX Baustoff GmbH, Loosdorf, Austria
INSTITUTE FOR THE DEVELOPMENT OF WATER RESOURCES "JAROSLAV ČERNI", Belgrade, Serbia

**T6: MAINTENANCE AND REPAIR OF STRUCTURES
T7: MONITORING OF STRUCTURES DURING
CONSTRUCTION AND EXPLOITATION**

- 09:00-09:30 *Miroslav Bešević, Neđo Đurić, Martina Vojnić Purčar, Ljiljana Kozarić, Smilja Bursac*
LOAD BEARING STRUCTURE OF THE EXCHANGE STATION OF BLOCK A TENT A - OBRENOVAC
Liljana B. Mijalkova, Elena Delova, Živko Božinovski
ANALITICAL APPROACH FOR STRENGTHENING OF HISTORIC BUILDING "ARMY CLUB" IN BITOLA DAMAGED IN THE 1994 EARTHQUAKE
Dragan Žarković, Stefanela Žarković
QUALITY OF ALL PHASES OF THE LIFE CYCLE OF ENGINEERING FACILITIES - SAFETY CONDITION AND BEST PROTECTION AGAINST DAMAGE. CASE EXAMPLE: ANTENNA PILLAR DEMOLITION

T16: SURVEYING/GEODESY IN CIVIL ENGINEERING

- 16:00-17:30 *Branko Milovanović, Slavko Vasiljević, Radovan Đurović, Jovan Popović, Petko Vranić*
WIND TURBINE COLUMN GEOMETRY CONTROL
Bilbil Nurçe, Eduart Blloshmi, Bledar Sina
CADASTRAL MAPPING IN ALBANIA
Bilbil Nurçe, Bledar Sina, Eduart Blloshmi
TRANSFORMATION OF ELLIPSOIDAL HEIGHTS INTO ORTHOMETRIC THROUGH A LINEAR INTERPOLATION POLYNOMIAL
Gligorije Perović
OPTIMIZATION OF GPS MEASUREMENT ACCURACY IN GEODETIC CONTROL NETWORKS
Hakile Resulbegović, Biljana Stamatović
SPATIAL STATISTICS AND APPLICATION OF THE GLOBAL POSITIONING SYSTEM IN FIELD SURVEYS
Milan Trifković, Miroslav Kuburić, Žarko Nestorović
THE INFLUENCE OF CHANGING POINTS' POSITION DURING MEASUREMENTS ON ADJUSTED COORDINATES IN SPECIAL GEODETIC NETWORKS

**T9: PLANNING, DESIGN AND CONSTRUCTION
OF ROADS AND RAILWAYS**

- 09:00-09:30 *Laura Brigita Parežnik, Marko Renčelj*
COMPARISON OF DESIGN ELEMENTS REGARDING GRADE-
-SEPARATED INTERCHANGES AND JUNCTIONS BETWEEN
DIFFERENT COUNTRIES
Riste Ristov, Ivona Nedevska, Zlatko Zafirovski, Vasko Gacevski,
Marijana Lazarevska
PROCESS OF DESIGNING AN ACCESS ROAD
AND A WINDMILL PLATEAU IN BOGDANCI
Riste Ristov, Ivona Nedevska, Zlatko Zafirovski, Slobodan Ognjenovic,
Vasko Gacevski
MEASURES TO IMPROVE SAFETY ON EXISTING MAIN STREET 101

**T12: ENVIRONMENTAL PROTECTION
T13: ENERGY EFFICIENCY, ENERGY EFFICIENT
DESIGN AND BUILDING
T14: HYDROTECHNICS**

- 16:00-17:30 *Ivona Krulanović, Ivana Čipranić, Marija Jevrić, Milena Ostojić*
POSSIBILITIES OF PREDICTIONS OF MUNICIPAL SOLID WASTE
AMOUNT IN MONTENEGRO USING NEURAL NETWORKS
David Božiček, Mateja Dovjak
IMPACT OF THERMAL INERTIA AND ROOM ORIENTATION ON
ENERGY DEMAND AND THERMAL COMFORT IN AN OFFICE
BUILDING
Dragan Kostić, Veliborka Bogdanović, Miomir Vasov, Vuk Milošević,
Marko Ilić
METHODOLOGICAL APPROACH TO MANAGEMENT
OF AMBIENT PARAMETERS IN ORDER TO PREVENT
CONDENSATION ON STRUCTURAL TEXTILE MEMBRANES
Veronica Martins Gnecco, Luka Pajek
ANALYSIS OF FIXED SHADING DEVICES
IN BRAZILIAN ELEMENTARY SCHOOLS
REGARDING COOLING ENERGY DEMAND AND DAYLIGHTING
Marija Mihajlović, Marko Mihajlović, Ljiljana Stošić Mihajlović
SIGNIFICANCE AND ROLE OF ARCHITECTURE
IN ENERGY EFFICIENT BUILDINGS
Luka Pajek, Mitja Košir
IMPLICATIONS OF PROJECTED RCP4.5 AND RCP8.5 CLIMATE
CHANGE SCENARIOS FOR THE BIOCLIMATIC POTENTIAL
OF PODGORICA
Matej Čehovin, Andreja Žgajnar Gotvajn
HYBRID HYDRODYNAMIC CAVITATION AND ADVANCED
OXIDATION FOR REMOVAL OF NATURAL ORGANIC MATTER
FROM DRINKING WATER – SELECTED ASPECTS

**T1: THEORETICAL AND EXPERIMENTAL RESEARCH
IN CIVIL ENGINEERING
T3: ASEISMIC PLANNING, DESIGN AND BUILDING
T5: BUILDING MATERIALS**

- 09:00-10:00 *Senka Bajić, Vladimir Vukobratović*
EARTHQUAKE-INDUCED SNOW AVALANCHES:
THE CRITICAL HEIGHT OF A SNOW LAYER
Mirjana Đukić, Zlatko Marković, Duško Lučić
PRE-EXPERIMENTAL ANALYSIS OF ASYMMETRIC COMPOSITE
SLIM FLOOR BEAM WITH WEB OPENINGS
*Zoran Mišković, Marina Latinović Krndija, Marko Popović,
Siniša Savatović*
MODAL ANALYSIS OF THE SUSPENSION FOOTBRIDGE
OVER RIVER VRBAS IN BANJA LUKA
Bojan Raspopović, Slobodan Živaljević
EXPERIMENTAL TESTING OF THE ENERGY ABSORPTION
CAPACITY OF SHOTCRETE
*Anka Starčev-Čurčin, Andrija Rašeta, Miloš Šešlija, Igor Džolev,
Dragan Manojlović*
EXPERIMENTAL TESTING AND NUMERICAL ANALYSIS
OF REINFORCED CONCRETE WALL MEMBERS
Vladimir Živaljević, Milan Blagojević, Đorđe Jovanović, Dušan Kovačević
GEOMETRY CONTROL OF THE COLDFORMED STEEL MEMBERS
USING THE OPTICAL 3D MEASURING SYSTEM
Ivan Mrdak
NONLINEAR STATIC ANALYSIS OF FRAME STRUCTURE
DESIGNED IN ACCORDANCE WITH EUROCODE 8
Vladimir Vukobratović, Dragan Manojlović, Ivan Lukić
SEISMIC RESPONSE OF AN EXISTING MASONRY MONASTERY
TOWER
Tatjana Kočetov Mišulić, Aleksandra Radujković
DIFFERENCES IN STATISTICAL EVALUATION
OF TIMBER BENDING STRENGTH ACCORDING EN 8 AND EN 8
*Slobodan Šupić, Vesna Bulatović, Mirjana Malešev, Vlastimir Radonjanin,
Vladan Pantić*
FROM WASTE TO RESOURCE - PART 1: CHARACTERIZATION
OF FLY ASH, SLAG AND WHEAT STRAW ASH
*Slobodan Šupić, Vesna Bulatović, Mirjana Malešev, Vlastimir Radonjanin,
Vladan Pantić*
FROM WASTE TO RESOURCE - PART 2: MASONRY MORTAR
INCORPORATING FLY ASH, SLAG AND WHEAT STRAW ASH

T2: DESIGN AND BUILDING OF STRUCTURES

- 09:00-09:50 *Radenko Pejović, Nikola Luković, Bojan Donović, Jelena Pejović, Mladen Muhadinović*
STRUCTURAL AND ARCHITECTURAL DESIGN OF SMOKOVAC TOLL COLLECTION RAMP ON THE SECTION OF THE SMOKOVAC-MATEŠEVO HIGHWAY
- Radenko Pejović, Nikola Luković, Jelena Pejović, Bojan Donović, Nina Serdar, Mladen Muhadinović*
STRUCTURAL AND ARCHITECTURAL DESIGN OF MAINTENANCE BASE ON PELEV BRIJEG FOR SECTION OF THE SMOKOVAC-MATEŠEVO HIGHWAY
- Milan Spremić, Nemanja Dinčić, Isidora Jakovljević, Nina Gluhović, Jelena Dobrić*
FIRE LOAD FOR PERFORMANCE FIRE DESIGN OF CAR PARK STEEL STRUCTURE
- Goran Milutinović*
TIED ARCH BRIDGE AT 2ND AVENUE OVER I94, DETROIT, U.S.A.: EXPERIENCES DURING VALUE ENGINEERING PROPOSAL AND CONSTRUCTION ENGINEERING

09:50-10:00 *Pause*

INVITED LECTURES

- 10:00-11:00 *Jelena Dobrić*
STABILITY CRITERIA FOR STAINLESS STEEL EQUAL-LEG ANGLE COLUMNS
- Hartmut Pasternak*
EXTRAORDINARY STEEL STRUCTURES IN GERMANY

T1: THEORETICAL AND EXPERIMENTAL RESEARCH IN CIVIL ENGINEERING

- 16:00-17:30 *Ivana Drobnjak, Jelena Pejović*
SEISMIC ASSESSMENT OF AN EXISTING REINFORCED CONCRETE BUILDING
- Filip Đorđević, Svetlana M. Kostić*
PREDICTION OF ULTIMATE COMPRESSIVE STRENGTH OF CCFT COLUMNS USING MACHINE LEARNING ALGORITHMS
- Šemso Kalač, Naja Zejnelagić, Đorđe Đuričić, Duško Lučić*
PROPOSAL OF ANALYTICAL EXPRESSION FOR DETERMINATION LOAD CAPACITY FOR ALUMINIUM SQUARE HOLLOW SECTION (SHS) K JOINTS UNDER CHORD TENSION
- Stojan Kravanja, Tomaž Žula, Primož Jelušič*
OPTIMIZATION OF STEEL AND TIMBER HALLS
- Dejan Matić, Jelena Dobrić, Milan Spremić*
PREDICTED ULTIMATE RESISTANCES OF COMPRESSED COLD-FORMED CHANNEL SECTIONS ACCORDING TO EFFECTIVE WIDTH METHOD AND DIRECT STRENGTH METHOD

16:00-17:30 *Milica Mirković Marjanović, Snežana Ilić, Aleksandar Kijanović, Goran Todorović, Radovan Gospavić*
 EXPERIMENTAL ANALYSIS OF FIRE RESISTANCE OF CLAY
 HOLLOW-BRICK MASONRY NON-LOAD BEARING WALL
Zoran Mišković, Vesna Lazarević, Milorad Ivetić, Miloš Hranisavljević, Ljiljana Mišković
 STRAIN MEASUREMENTS DURING STATIC PILE TESTING: A CASE
 STUDY OF TWO PILES WITH DIFFERENT DIAMETER AND LENGTH

17:30-17:40 *Pause*

SPONSORS' PRESENTATIONS

17:40-19:00 *M SOLUTIONS, Podgorica, Montenegro*
NESHVYL, Belgrade, Serbia
PRODUKT BG INŽENJERING, Belgrade, Serbia
SIKA SRBIJA, Šimanovci, Serbia

T10: SPATIAL, ARCHITECTURAL AND URBAN PLANNING AND DESIGN T11: HERITAGE PROTECTION

09:00-09:50 *Nađa Kurtović Folić, Radomir Folić*
 A CONTRIBUTION TO PREDICTING THE FUTURE
 OF CULTURAL HERITAGE
Ljubo Marković, Julija Aleksić, Rada Radulović, Mirjana Miletić
 ECONOMIC BENEFITS FROM IMPROVING HOUSING
 CONTAINER CLADDING IN THE REPUBLIC OF SERBIA
Marija Mihajlović, Marko Mihajlović, Ljiljana Stošić Mihajlović
 CONCEPT OF BIOCLIMATIC DESIGN AND PLANNING
 IN ARCHITECTURE AND BUILDINGS
Jaka Potočnik, Mitja Košir
 PREDICTING THE MELANOPIIC POTENTIAL
 OF INDOOR COLOURED SURFACES USING
 ARTIFICIAL NEURAL NETWORKS

T4: SPECIAL ISSUES OF DESIGN AND CONSTRUCTION T8: BUILDING REGULATIONS AND CODES

16:00-17:30 *Nikola Čadenović*
 CONSTRUCTION METHOD FOR TUNNEL UNDER THE BAY OF KOTOR
Radomir Folić, Nenad Stojković, Zoran Brujić
 SERVICE LIFE AND DURABILITY OF CONCRETE
 STRUCTURE-SUSTAINABLE CONSTRUCTION
Cveta Lazić, Suzana Draganić, Olivera Bukvić, Mirjana Laban, Meri Cvetkovska
 FIRE RISK ASSESSMENT IN RESIDENTIAL UNITS
Miroslav Premrov, Vesna Žegarac Leskovar
 STUDY ON MULTI-FUNCTIONAL ANALYSIS
 OF HIGH-RISE TIMBER BUILDINGS
Bratislav Stipanić
 ERECTION EXAMPLES OF STEEL BRIDGES OVER SAVA RIVER

- 16:00-17:30 *Milica Mirković Marjanović, Snežana Ilić, Aleksandar Kijanović, Goran Todorović, Radovan Gospavić*
 OVERVIEW OF THE NEW RULEBOOK ON TESTING FIRE RESISTANCE, EXTERNAL FIRE PERFORMANCES AND REACTION TO FIRE IN THE REPUBLIC OF SERBIA
Mladen Muhadinović, Petar Subotić, Duško Lučić
 OVERVIEW OF NATIONALLY DETERMINED PARAMETERS IN EN 199318
Petar Subotić, Mladen Muhadinović, Duško Lučić
 OVERVIEW OF NATIONALLY DETERMINED PARAMETERS IN EN 199311

T5: BUILDING MATERIALS

- 09:00-09:50 *Katarina Didulica, Ana Baričević, Ivana Banjad Pečur*
 A REVIEW OF EARLY AGE SHRINKAGE DEFORMATIONS IN CEMENTITIOUS COMPOSITES
Ivan Gabrijel, Ivana Banjad Pečur
 ASSESSMENT OF CONCRETE COMPRESSIVE STRENGTH IN STRUCTURES - COMPARISON OF PAST AND CURRENT PRACTICES
Radimir Zejak, Senka Zečević, Katarina Mirković
 THE POSSIBILITY OF USING FLY ASH FROM THE LANDFILL MALJEVAC AND THE TPP PLJEVLJA IN CONCRETE PRODUCTION

T18: INFORMATICS AND MULTIMEDIA TECHNOLOGY IN CIVIL ENGINEERING

- 16:00-17:30 *Đorđe Đonović, Jelena Pejović, Nina Serdar*
 TOWARDS MONTENEGRO SEISMIC RISK ASSESSMENT INFORMATION SYSTEM
Ljubo Marković, Ljiljana Milić Marković, Nikola Gvozdović
 APPLICATION OF BIM IN THE PROCESS OF MANAGEMENT OF CONSTRUCTION PROJECTS
Milan Marojević
 BIM – FOUNDATION OF DIGITAL TRANSFORMATION IN CONSTRUCTION INDUSTRY
Jelena Vilotijević, Dušan Rožič, Milan Kuhta
 ALLPLAN BRIDGE SOFTWARE FOR GEOMETRICAL AND ANALYTICAL MODELING OF KOZARICA BRIDGE

T14: HYDROTECHNICS**T16: SURVEYING/GEODESY IN CIVIL ENGINEERING**

- 09:00-10:00 *Goran Jeftenić, Ljubomir Budinski, Slobodan Kolaković, Danilo Stipić, Marijana Milić*
 MATHEMATICAL MODELLING OF GROUNDWATER LEVEL LOWERING USING GMS
Milena Ostojić, Ivana Čipranić, Goran Sekulić
 CURRENT STATE OF NATIONAL FLOOD RISK ASSESSMENT IN MONTENEGRO

T14: HYDROTECHNICS**T16: SURVEYING/GEODESY IN CIVIL ENGINEERING**

- 09:00-10:00 *Siniša Višnjić, Krsto Minić, Saveta Đuričić*
 THE SEWAGE SYSTEM IN PLJEVLJA OPERATION
 CHALLENGES
- Siniša Višnjić, Krsto Minić, Saveta Đuričić*
 ANALYSIS OF POSSIBILITIES OF MICRO HYDROPOWER PLANT
 BUIL-UP ON THE DAPSIĆE WATER SUPPLY SYSTEM
- Tatjana Budimirov, Vladimir Bulatović, Marko Marković,
 Mehmed Batilović, Zoran Sušić*
 POINT POSITIONING – PPP METHOD
- Tanja Đukanović, Sanja Tucikešić, Radovan Đurović*
 COMPARATIVE ANALYSIS COORDINATE USING METHODS
 OF GPS-RTK AND TOTAL STATION THE OF AN AREA LANDSLIDES
- Jovana Maksimović, Mehmed Batilović, Zoran Sušić, Radovan Đurović,
 Marko Marković, Vladimir Bulatović, Gojko Nikolić*
 PROJECT OF MICRO-NETWORK AND GEODETIC
 SETTING-OUT OF THE PRESLO BRIDGE
- Vladimir Petrović, Bogdan Bojović, Tatjana Đurić, Mirko Borisov,
 Zoran Ilić, Nenad Rakičević*
 GIS / 3D SOLUTIONS IN THE FUNCTION
 OF MANAGEMENT IMPROVEMENT IN AGRICULTURE

T6: MAINTENANCE AND REPAIR OF STRUCTURES**T12: ENVIRONMENTAL PROTECTION****T13: ENERGY EFFICIENCY, ENERGYEFFICIENT
 DESIGN AND BUILDING****T18: INFORMATICS AND MULTIMEDIA TECHNOLOGY IN CIVIL
 ENGINEERING**

- 16:00-17:30 *Miloš Knežević, Ivana Tešović, Radenko Pejović, Duško Lučić,
 Kemal Abdić, Miloš Vučinić, Teodora Bulatović, Kostantin Dragović,
 Jelena Perović, Ivan Popović, Anđela Jašović*
 COMPLEXITY OF REHABILITATION WORKS ON THE CONCRETE
 BRIDGES ON THE RAILWAY LINE "VRBNICA-BAR"
- Gregor Kravanja, Andrej Ivanić, Samo Lubej*
 TOWARDS GREEN CEMENT PRODUCTION
- Ivana Burić, Marija Nišavić*
 PRINCIPLES OF ENERGY EFFICIENCY IN THE PROCESS
 OF DESIGNING RESIDENTIAL SETTLEMENT SADINE
- Liljana Dimevska, Meri Cvetkovska, Ana Trombeva Gavriloska,
 Mirjana Laban*
 BUILDING ENERGY SIMULATION ANALYSYS BASED ON IN-SITU
 MEASUREMENTS BEFORE AND AFTER INSULATION APPLICATION
- Sofija Kekez*
 CHALLENGES OF PREDICTING ELECTRICAL BEHAVIOR
 OFSELF-SENSING CONCRETE

- 16:00-17:30 *Duška Plazina-Pevač, Milan Trivunić, Igor Peško, Vladimir Mučenski, Željko Jakšić*
 DEFICIENCIES OF CLASSIC DESIGN IN RELATION TO BIM DESIGN:
 EXAMPLE OF MORGAVEL PHOTOVOLTAIC POWER PLANT
- Mirjana Terzić, Igor Peško, Vladimir Mučenski, Milena Senjak Pejić, Dragana Stanojević*
 MODELLING COMPLEX PREFABRICATED STAIRCASE USING BIM TOOLS

BOOK PROMOTION

- 09:00-09:45 *Srdan Janković*
 SEIZMIČKI PRORAČUN ARMIRANOBETONSKIH ZGRADA
 U SKLADU S EUROKODOVIMA

09:45-10:00 *Pause*

SPONSORS' PRESENTATIONS

- 10:00-11:00 *GEOPROJEKT, Podgorica, Montenegro*
CEMEX MONTENEGRO, Podgorica, Montenegro
INSTITUTE FOR STANDARDIZATION OF MONTENEGRO
Podgorica, Montenegro
MONTEPUT – PJ AUTOPUT BAR-BOLJARE, Podgorica, Montenegro

SPONSORS' PRESENTATIONS

- 17:00-17:30 *CHINA ROAD AND BRIDGE CORPORATION*
Podgorica, Montenegro

SPECIAL SESSION

- 17:30-19:30 PANEL DISCUSSION - ROUND TABLE
 DOBRE PRAKSE I IZAZOVI SA KOJIMA SE SUOČAVAJU
 INŽENJERSKE KOMORE, SA AKCENTOM NA POLOŽAJ KOMORE U
 DRUŠTVU, STRUČNO USAVRŠAVANJE I MOGUĆNOSTI
 PREKOGRANIČNE SARADNJE KOD REALIZACIJE RAZLIČITIH
 EU PROJEKATA
 organised by *CIVIL ENGINEERS CHAMBER OF MONTENEGRO*

SPECIAL SESSION

/Room Bjelasica/

- 09:00-15:00 PROJECT MANAGEMENT OF BIG
 INFRASTRUCTURE PROJECTS – THEORY AND PRACTICE,
 organised by *NGO "Montenegrin Project Management Association –
 MPMA", member of IPMA*

10:00-11:00 *Coffee break*

BOOK PROMOTION

- 16:00-17:00 *Velizar Radonjić*
 HRONIKA GRADITELJSTVA U CRNOJ GORI

**T1: THEORETICAL AND EXPERIMENTAL RESEARCH
IN CIVIL ENGINEERING**

- 09:45-11:00 *Eduard Fot, Dalibor Gelo, Šime Serdarević, Daniel Martinović*
 DYNAMIC ANALYSIS OF A MULTI-STOREY STRUCTURE
 USING MULTIPLE DYNAMIC METHODS
- Nina Nikolić, Biljana Šćepanović*
 ANALYSIS OF PRESSED BRACE AND K-JOINT OF WELDED
 ALUMINIUM LATTICE STRUCTURE MADE OF CHS PROFILES
- Milivoje Rogač, Srđa Aleksić, Duško Lučić*
 TESTING OF THIN-WALLED I-GIRDER SUBJECTED
 TO PATCH LOADING
- Petar Subotić, Biljana Šćepanović*
 IMPROVED M_{cr} -L CURVES FOR HOT ROLLED IPE SECTIONS
- Andrej Strukelj*
 MEASUREMENTS OF VEHICLE RESPONSE TO WIND GUSTS
 DURING TESTING THE EFFECTIVENESS OF WINDBREAKS
- Ivan Nackov, Jelena Dobrić*
 STRUCTURAL PERFORMANCE OF HIGH STRENGTH STEEL
 AND H SECTIONS

**T17: MANAGEMENT IN CIVIL ENGINEERING
T19: EDUCATION IN CIVIL ENGINEERING**

- 09:45-11:00 *Željka Beljkaš, Mioš Knežević, Marko Knežević, Nadežda Lučić*
 CONSTRUCTION OF THE CONCRETE STRUCTURES –
 – LEGAL AND TECHNICAL REQUIREMENTS
- Zdravko Maksimović, Mirjana Laban, Sandra Nedeljković*
 FROM REACTION TO PREVENTION – SYSTEM
 OF CIVIL PROTECTION IN THE CITY OF KRALJEVO
- Srdan Topalović, Lana Vukmirović-Mišić*
 DIFFERENCE BETWEEN ROLES OF THE ENGINEER AS PER FIDIC
 CONDITIONS OF CONTRACTS AND ENGINEERING SUPERVISION
 IN ACCORDANCE WITH LAW ON SPATIAL PLANNING AND CON-
 STRUCTION OF MONTENEGRO
- Dragan Žarković, Stefanela Žarković*
 RESEARCH OF THE IMPORTANCE OF LEGAL AND
 ECONOMIC ENVIRONMENT ON THE QUALITY
 OF CORPORATE GOVERNANCE, IN THE REALIZATION
 OF INVESTMENT ENTERPRISES IN CONSTRUCTION
- Biljana Šćepanović, Branka Živković*
 ENGLISH LANGUAGE IN CIVIL ENGINEERING
- Jovana Topalić Marković, Dijana Đurić, Nenad Ivanišević,*
Vladimir Mučenski, Igor Peško
 SIGNIFICANCE OF COURSES ON CONSTRUCTION
 LEGAL REGULATIONS IN THE CURRICULUMS OF FACULTIES
 OF CIVIL ENGINEERING

**T3: ASEISMIC PLANNING, DESIGN AND BUILDING
T15: GEOLOGY, HYDROGEOLOGY AND GEOTECHNICS
IN CIVIL ENGINEERING**

- 09:45-11:00 *Dejan Dragojević, Željko Žugić, Dušan Berisavljević*
SITE SPECIFIC GROUND MOTION EARTHQUAKE RESPONSE
STUDY – CASE STUDY AT THE SITE OF CANADIAN EMBASSY
RESIDENCE IN BELGRADE
- Daniel Martinović, Šime Serdarević, Dalibor Gelo, Eduard Fot*
CALCULATION OF SEISMIC RESISTANCE
OF AN EXISTING BUILDING
- Nina Serdar, Jelena Pejović*
CHALLENGES IN DEVELOPING NATIONAL SEISMIC
RISK ASSESSMENT
- Neđo Đurić, Miroslav Bešević, Smilja Bursać, Dijana Đurić*
CHARACTERISTICS OF LAPORY ROCKS AT THE SILOS LOCATION
WITHIN THE “MOLARIS” MILL COMPLEX, IN KOZLUK
NEAR ZVORNIK IN THE REPUBLIC OF SRPSKA
- Primož Jelušič, Stojan Kravanja, Tomaž Žula*
NUMERICAL MODELLING AND DESIGN
OF GEOSYNTHETIC REINFORCED SOIL BRIDGE ABUTMENT
- Borut Macuh, Sašo Kos*
RETAINING STRUCTURE PK-18 AS A PART OF RECONSTRUCTION
OF THE G2-108 HRASTNIK - ZIDANI MOST ROAD

11:00-11:30 Room Morača

CLOSING CEREMONY AND AWARDS PRESENTATION