



УНИВЕРЗИТЕТ У НОВОМ САДУ
ГРАЂЕВИНСКИ ФАКУЛТЕТ
СУБОТИЦА

UNIVERSITY OF NOVI SAD
FACULTY OF CIVIL ENGINEERING
SUBOTICA



9. МЕЂУНАРОДНА КОНФЕРЕНЦИЈА
САВРЕМЕНА ДОСТИГНУЋА У ГРАЂЕВИНАРСТВУ
9th INTERNATIONAL CONFERENCE
CONTEMPORARY ACHIEVEMENTS IN CIVIL ENGINEERING

25. – 26. април 2024.

25 – 26 April 2024



ПРОГРАМ

PROGRAMME

11:00 – 12:00

СВЕЧАНО ОТВАРАЊЕ КОНФЕРЕНЦИЈЕ

Велика већница Градске куће
Трг слободе 1, Суботица

11:00 – 12:00

CEREMONIAL OPENING OF THE CONFERENCE

Great hall Town hall
Trg slobode 1, Subotica

12:00 – 13:00 КЕТЕРИНГ

12:00 – 13:00 CATERING

ПОСЕТА - TOURING 13:00 – 14:15

13:00 – 14:15

Проф.др Викторија Алаџић / Professor Viktorija Aladžić

13:00 - 14:15

СИНАГОГА

Обилазак синагоге у Суботици

13:00 - 14:15

SYNAGOGUE

A tour of the synagogue in Subotica

14:30 – 15:00

РЕГИСТРАЦИЈА

Грађевински факултет Суботица
Козарачка 2а, Суботица

14:30 – 15:00

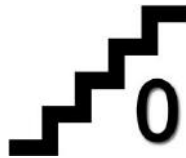
REGISTRATION

Faculty of Civil Engineering Subotica
Kozaračka 2a, Subotica

15:00 – 17:00

Грађевински факултет Суботица
Козарачка 2а, Суботица

15:00 – 17:00

Faculty of Civil Engineering Subotica
Kozaračka 2a, Subotica

АМФИТЕАТАР

15:00 - 17:30

СЕСИЈА 1

AMPHITHEATER

15:00 - 17:30

SESSION 1

Председништво/Chairs: Professor Aleksandar Landović, Professor Vukan Ogrizović

1.	Milan Bursac Svetlana M. Kostic	PLASTIC BENDING RESISTANCE OF COMPOSITE BEAMS ACCORDING TO SECOND GENERATION EUROCODE 4
2.	Dragan D. Milašinović Smilja Bursać Nataša Mrđa Bošnjak Arpad Čeh	CRITICAL VOID VOLUME FRACTION OF CONCRETE
3.	Dragan D. Milašinović Smilja Bursać Aleksandar Pančić	MODELLING OF POROUS METALS BY RDA-PT MODEL
4.	Vasilevska Ljiljana Živković Jelena Slavković Magdalena	URBAN TRANSFORMATIONS AND PLANNING STRATEGIES FOR DEVELOPMENT OF LARGE HOUSING ESTATES IN THE POST-SOCIALIST CONTEXT: THE EXPERIENCE OF THE BALTIC COUNTRIES
5.	Aleksandra Cilić Jelena Savić Danijela Đurić-Mijović Maša Randelović Jelena Stevanović	POSSIBILITIES OF USING OLD SHIPPING CONTAINERS AS MODULAR UNITS IN A CELLULAR SYSTEM FOR THE CONSTRUCTION OF MULTI-STOREY APARTMENT BUILDINGS
6.	Stefan Škorić Dijana Brkljač Aleksandra Milinković Milena Krklješ	INFLUENCE OF SPATIAL ARRANGEMENT OF OPEN PUBLIC SPACES ON PEDESTRIAN MOBILITY AND ACTIVITIES
7.	Milos Nedeljkovic Miomir Vasov Dragan Kostic Dusan Randjelovic Vuk Milosevic	UNLOCKING THE BENEFITS OF ENERGY RENOVATION IN BUILDINGS: CORRELATING REGULATIONS ACROSS REGIONAL COUNTRIES
8.	Marina Davidović Manojlović Gordana Nataroš	THE FLOW OF CONFISCATION AND RESTITUTION OF LAND

9.		Antonio Tupek Mladen Zrinjski Đuro Barković Krunoslav Špoljar	ABSOLUTE GNSS RECEIVER ANTENNA CALIBRATION AT THE FACULTY OF GEODESY – UNIVERSITY OF ZAGREB
10.		Maja Đorđević Radulović Danijela Radosavljević Andriana Bekerević Evica Šejnjanović Žarko Nestorović	GEODETIC MEASUREMENTS ACCURACY UNDER DIFFERENT LEVEL OF LIGHT

Време излагања: 8 мин.

Питања: 3 мин.

Presentation time: 8 min.

Questions: 3 min.

19:00 СВЕЧАНА ВЕЧЕРА
Јелен салаш - Палић

19:00 GALA DINNER
Jelen salaš - Palić

Други дан, 26.04.2024. године

Second day, April 26, 2024

09:30 – 10:00

РЕГИСТРАЦИЈА

Грађевински факултет Суботица
Козарачка 2а, Суботица

09:30 – 10:00

REGISTRATION

Faculty of Civil Engineering Subotica
Kozaračka 2a, Subotica



АМФИТЕАТАР
10:00 - 12:00 СЕСИЈА 2
ПРЕДАВАЊА ПО ПОЗИВУ

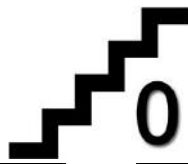
AMPHITHEATER
10:00 - 12:00 SESSION 2
INVITED PAPERS

Председништво/Chairs: Professor Vojkan Jovičić, Professor Igor Jokanović

1.		Boris Folić Miloš Čokić Radomir Folić	RESPONSE SPECTRA OF RECORDING OF VRANCEA EARTHQUAKES OF 1977 AND 1986
2.		Ildiko Molnar Janos Major Milan Kekanovic Viktor Fabian Erik Heđi Mihajlo Miroslavljević	RESEARCH OF CHARACTERISTICS OF OIL-RESISTANT CONCRETES WITH ADDITIVES
3.		Nataša Živaljević Luxor Nadja Kurtović Folić	IMMOVABLE CULTURAL GOODS IN THE CONTEXT OF ECONOMIC SELF- SUSTAINABILITY – A CASE STUDY OF THE FORTRESS IN NISH
4.		Dejana Đorđević	ON THE APPLICATION OF THE DOUBLE-AVERAGING METHODOLOGY IN MODELLING VEGETATED OPEN-CHANNEL FLOWS
5.		Žikica Tekić	DESIGN OF TIMBER STRUCTURES IN THE LKV SYSTEM
6.		Siniša Delčev Olivera Vasović Šimšić Jelena Gučević	APPLICATION OF UNMANNED AERIAL VEHICLES FOR LEGALIZATION OF BUILDINGS

12:00 - 13:00 ПАУЗА

12:00 - 13:00 BREAK



АМФИТЕАТАР

13:00 - 15:30

СЕСИЈА 3

AMPHITHEATER

13:00 - 15:30

SESSION 3

Председништво/Chairs: **Professor Danica Goleš, Professor Ognjen Gabrić**

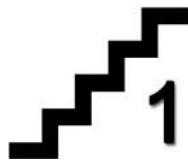
1.	Ilija M. Miličić Ivana I. Miličić Aleksandar D. Prokić	FFT ANALYSIS AND FILTERING OF OSCILLATING RESPONSE SIGNALS OF A SIMPLE WOOD GIRDER IN A VERTICAL PLANE
2.	Petar Knežević Dragan Čukanović Zoran Perović Aleksandar Radaković Nikola Velimirović	CYCLIC BEHAVIOR PHENOMENA OF STRUCTURAL STEEL
3.	Petar Praštalo Anica Milanović Dušan Prodanović	LOW-COST RAINWATER RUNOFF MEASUREMENT DEVICE
4.	Ilija M. Miličić Ivana I. Miličić Radomir J. Folić	DFT ANALYSIS OF VERTICAL DISPLACEMENT SIGNALS OF A SIMPLE WOOD GIRDER BY MONITORING USING SENSORS VL6180X
5.	Branislav Vuković Ivana Perčić Danica Goleš	REHABILITATION AND RECONSTRUCTION OF THE UNDERGROUND PUMP STATION "RAILWAY STATION" ON THE SAVA SQUARE IN BELGRADE
6.	Svjetlana Banjac Zoran Mitrović	APPLICATION OF PEARSON'S CORRELATION COEFFICIENT IN THE ANALYSIS OF CONCRETE SAMPLES
7.	Todor Vacev Danijela Đurić Mijović Miloš Milić Andrija Zorić	COMPARATIVE ANALYSIS OF WIND ACTION ON CONTAINER STACKS ANALYTICALLY AND BY FEM CONTACT ANALYSIS
8.	Mihailo Ostojic Milivoje Rogac	INTEGRATION OF VIRTUAL MODELS AND PHYSICAL CONSTRUCTION - CYBER PHYSICAL SYSTEMS (CPS) IN THE ARCHITECTURAL, CIVIL/CONSTRUCTION & TRANSPORTATION ENGINEERING INDUSTRIES (ACCTEI)
9.	Zoran Spajic Igor Jokanovic Milica Pavić	CONNECTION OF INTERCITY AND URBAN ROADS: CASE STUDY KULA, EAST SARAJEVO
10.	Stanković Natalija	THE ROLE OF THE URBAN GREEN INFRASTRUCTURE CONCEPT IN STORMWATER MANAGEMENT
11.	Andrija Zorić Miloš Milić Marina Trajković- Milenković Todor Vacev Ivan Nešović Katarina Slavković	SEMI-ANALYTICAL SOLUTION FOR ELASTO-PLASTIC DEFLECTION OF PRISMATIC SIMPLY SUPPORTED BEAMS WITH CIRCULAR CROSS-SECTION
12.	Ivana Perčić Arpad Čeh Danica Goleš	THE INFLUENCE OF BASALT FIBERS ON THE COMPRESSIVE AND FLEXURAL STRENGTH OF LIGHTWEIGHT CONCRETE
13.	Miloš Milić Todor Vacev Ivan Nešović Predrag Petronijević Andrija Zorić Radovan Perić	DEVELOPMENT OF A STEEL-TIMBER COMPOSITE CONNECTOR

Време излагања: 8 мин.

Питања: 3 мин.

Presentation time: 8 min.

Questions: 3 min.

**109 - АМФИТЕАТАР****13:00 - 15:30****СЕСИЈА 4****109 - AMPHITHEATER****13:00 - 15:30****SESSION 4****Председништво/Chairs: Professor Jelena Gučević, Professor Milena Grbić**

1.	Lilija Tchaikovskaya Ekaterina Pakhomova Aleksi Shleenko	MODELING OF "ENTERTAINMENT AND EMOTIONS" CITY FUNCTION
2.	Dušan Stajić Ana Momčilović Petronijević Ivana Cvetković Mirko Stanimirović	DEGRADATION OF THE IDENTITY OF URBAN STRUCTURES BY INTENSIVE CONSTRUCTION
3.	Relja Petrović	THE USE OF ARTIFICIAL INTELLIGENCE AS A METHODOLOGICAL TOOL IN INTERPRETING SPATIAL SENSATIONS
4.	Milena Grbić	THE PHANTASMAGORIA OF DRAWINGS AS A METHODOLOGICAL OUTLINE OF DESIGN
5.	Bogdan Krmpot, Branislava Stoiljković	CONCEPTUAL SOLUTION OF TERRACED HOUSES IN NIŠ
6.	Monika Štiklica	ANALYSIS OF APPLIED DESIGN STRATEGY IN A CONSTRUCTED FAMILY VILLA: A CASE STUDY
7.	Gordana Nataroš Milorad Vučković Milan Trifković	COMPACTION AND ARRONDATION ON THE TERRITORY OF SERBIA
8.	Stefan Istodorović Žarko Nestorović	PENDULUM MOVEMENT ON LARGE DAM DEPENDENCES ON OUTER INFLUENCES
9.	Marko Z. Marković Mehmed Batilović Đuro Krnić Marijana Vujinović Zoran Sušić	APPLICATION OF TERRESTRIAL LASER SCANNING TECHNOLOGY IN THE ANALYSIS OF THE COLUMNS VERTICALITY AND THE CREATION OF A 3D MODEL OF THE SPORTS HALL
10.	Ivana Racetin Robert Župan	CONTEMPORARY USERS OF STOKIS TOPOGRAPHIC AND CARTOGRAPHIC DATA
11.	Dragan Kostić Milorad Zlatanović Miomir Vasov Miloš Nedeljković Srđan Aleksić	MARKET VALUE ASSESSMENT OF CADASTRAL PARCELS USING HIGH-AND-BEST-USE ANALYSIS AND YIELD APPROACH
12.	Marijana Vujinović Vladimir Bulatović Marko Z. Marković Mehmed Batilović Đuro Krnić	TERRESTRIAL REFERENCE FRAMES: FOUNDATION FOR POSITIONING AND EARTH SCIENCES

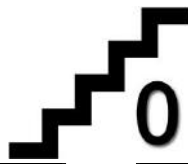
Време излагања: 8 мин.

Питања: 3 мин.

Presentation time: 8 min.

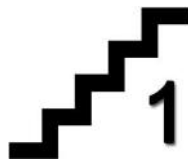
Questions: 3 min.

15:30 - 16:00 ПАУЗА ЗА КАФУ**15:30 - 16:00 COFFEE BREAK**

**АМФИТЕАТАР****16:00 - 18:00****СЕСИЈА 5****AMPHITHEATER****16:00 - 18:00****SESSION 5****Председништво/Chairs: Professor Martina Vojnić Purčar, Professor Ljiljana Kozarić**

1.	Djordje Markovic Bojan Milovanovic Aleksandar Savic Vladan Kuzmanovic Ljubodrag Savic	USE OF CONCRETE WITH FLY ASH FOR CONSTRUCTION RETENTION DAMS
2.	Milan Kekanović Danica Goleš Ljiljana Kozarić Matija Benčik Hilda Horvat Nikola Milosavljević	EXPERIMENTAL-THEORETICAL ANALYSIS OF VERIFYING THE CURRENT PROCEDURE AND FINDING THE CORRECT PROCEDURE AND METHODS FOR TESTING COMPRESSIVE STRENGTH OF ORDINARY CONCRETE
3.	Ivana Mitrović Žarko Nestorović	GROUND WATER LEVEL IN LARGE DAMS' BASINS MODELING
4.	S.G. Emelyanov A.V. Brezhnev A.I. Pykhtin N.E. Semicheva	MONITORING BIM MODELS IN VIRTUAL AND AUGMENTED REALITY (VR/AR)
5.	Milan Kekanović Dragoslav Šumarac Milan Trifković Miroslav Kuburić Stanko Ćorić Arpad Čeh Žarko Nestorović	THERMODYNAMIC APPROACH TO ISOLATION OF RESIDENTIAL BUILDINGS - BUILDINGS WITHOUT THERMAL BRIDGES
6.	Vladislav Pakhomov Ekaterina Pakhomova Natalia Semicheva	WAYS TO REDUCE THE IMPACT OF HARMFUL EMISSIONS FROM BOILERS AND VEHICLES ON THE ENVIRONMENT
7.	Artem Brezhnev Elvira Aleksapolskaya Natalia Semicheva	METHODS FOR DETECTING COLLISIONS AND ERRORS USING BIM TECHNOLOGIES IN THE DESIGN OF HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS OF HIGH-RISE BUILDINGS
8.	Jovana Topalić Tiana Milović Vladimir Mučenski	THE POTENTIAL OF NATURAL ZEOLITE USE IN INDUSTRIAL WASTEWATER TREATMENT
9.	Milovan Bjelica Vladimir Zotović	MODELS FOR HYDROPOWER PRODUCTION ANALYSIS
10.	Iva Despotović Nemanja Bralović	TOWARDS THE NEW GENERATION OF EUROCODE 7
11.	Ksenija Janković Srboljub Stanković	NEUTRON SHIELDING PARAMETERS OF SELECTED TYPES OF CONCRETE
12.	Mila Svilar Igor Peško Ramona Petrov Nikola Banjac	ESTIMATION OF HIGHWAY CONSTRUCTION COSTS USING MACHINE LEARNING

Време излагања: 8 мин.**Питања: 3 мин.****Presentation time: 8 min.****Questions: 3 min.**



109 - АМФИТЕАТАР
16:00 - 18:00 СЕСИЈА 6

109 - AMPHITHEATER
16:00 - 18:00 SESSION 6

Председништво/Chairs: Professor Jelena Tatalović, Professor Olivera Dulić

1.	Goran Marinković Zoran Ilić Žarko Nestorović	MODEL FOR RISK MANAGEMENT IN LAND CONSOLIDATION PROJECTS REALIZATION
2.	Jelena Tatalović Milan Trifković Bogdan Bojović	THE ROLE AND SIGNIFICANCE OF LAND CONSOLIDATION PROJECTS ON THE SUSTAINABLE DEVELOPMENT OF THE AREA. CASE STUDY: THE MUNICIPALITY OF BAČKA TOPOLA
3.	Milan Trifković Miroslav Kuburić Žarko Nestorović	PARADOXES OF REGRESSION MODELS
4.	Jelena Savić Danijela Đurić Mijović Aleksandra Čilić Danijela Milanović Miloš Nedeljković	POSSIBILITIES IN TRANSFORMATION THE FACADES OF EXISTING DILAPIDATED BUILDINGS - A DIALOGUE OF EPOCHS
5.	Tatjana Babić, Milena Krklješ	EMERGENCE, DEVELOPMENT, AND TRANSFORMATION OF VILLA ZONES IN NOVI SAD DURING THE 20TH CENTURY
6.	Olivera Dulić	THEMATIC CONTENT ANALYSIS OF INTRODUCTORY ARCHITECTURAL STUDIO COURSES IN THE REPUBLIC OF SERBIA
7.	Aleksandar Kostić Katarina Krstić Dušan Turina Nikola Simić	DIDACTIC APPROACH TO AUTODESK REVIT TRAINING COURSE
8.	Ivan Stevović Jovana Jovanović Sabahudin Hadrović	GREEN BUILDINGS, ENERGY EFFICIENCY AND RAISING AWARENESS ABOUT ENVIRONMENTAL PROTECTION
9.	Ivan Stevović Jovana Jovanović Mihailo Jovanović	ARTIFICIAL INTELLIGENCE METHODS ON SUSTAINABLE PATH IN THE FUNCTION OF ENERGY EFFICIENCY INCREASE

Време излагања: 8 мин.

Питања: 3 мин.

Presentation time: 8 min.

Questions: 3 min.

18:00-18:15 ЗАТВАРАЊЕ СКУПА

18:00-18:15 CLOSING CEREMONY



