12th International Conference „New Technologies, Development and Application“
12. Internacionalna konferencija „Nove tehnologije, razvoj i primjena“

ACADEMY OF SCIENCES AND ARTS OF BOSNIA AND HERZEGOVINA	AKADEMIJA NAUKA I UMJETNOSTI BOSNE I HERCEGOVINE
SOCIETY FOR ROBOTICS OF BOSNIA AND HERZEGOVINA	DRUŠTVO ZA ROBOTIKU U BOSNI I HERCEGOVINI
“DŽEMAL BIJEDIĆ” UNIVERSITY OF MOSTAR	“DŽEMAL BIJEDIĆ” UNIVERZITET U MOSTARU
UNIVERSITY OF SARAJEVO	UNIVERZITET U SARAJEVU
UNIVERSITY OF TUZLA	UNIVERZITET U TUZLI
UNIVERSITY OF ZENICA	UNIVERZITET U ZENICI
SARAJEVO SCHOOL OF SCIENCE AND TECHNOLOGY	SARAJEVSKA ŠKOLA ZA NAUKU I TEHNOLOGIJU
INTERNATIONAL UNIVERSITY OF SARAJEVO	INTERNACIONALNI UNIVERZITET U SARAJEVU
INTERNATIONAL “BURCH” UNIVERSITY OF SARAJEVO	INTERNACIONALNI “BURCH” UNIVERZITET U SARAJEVU
FOREIGN TRADE CHAMBER OF BOSNIA AND HERZEGOVINA	VANJSKOTRGOVINSKA KOMORA BOSNE I HERCEGOVINE
INTERNATIONAL ASSOCIATION FOR TECHNOLOGICAL DEVELOPMENT AND INNOVATIONS UKRAINA	INTERNACIONALNO UDRUŽENJE ZA TEHNOLOŠKI RAZVOJ I INOVACIJE UKRAJINA
TECHNOLOGY PARK “INTERA” OF MOSTAR	TEHNOLOŠKI PARK “INTERA” U MOSTARU

NT-2026

CONFERENCE PROGRAM | PROGRAM KONFERENCIJE





Sarajevo
Bosnia and Herzegovina
25th-27th June 2026

Sarajevo
Bosna i Hercegovina
25-27. juni 2026

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12th International Conference
NEW TECHNOLOGIES
DEVELOPMENT AND APPLICATION
„NT-2026"

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Bosna i Hercegovina
25-27. juna 2026.

CONFERENCE PROGRAM
PROGRAM KONFERENCIJE

Thursday/Četvrtak, 25 June 2026

***Registration of participants and Welcome drink** 18:00*
*Hall/Sala **ANU BiH, Bistrik 7, Sarajevo***

Friday/Petak, 26 June 2026

Registration - Registracija učesnika
8:00 - 9:30
*Hall/Sala **ANU BiH, Bistrik 7, Sarajevo***

Opening - Svečano otvaranje 12th Conference "NT-2026"
Welcoming speech/Pozdravna riječ

Opening Conference/Otvaranje Konferencije
*Hall/Sala **ANU BiH, Bistrik 7, Sarajevo***
9:30 - 10:00

SESSION SCHEDLUE/RASPORED SEKCIJA „NT-2026"

Friday/Petak, 26 June 2026

Plenary Session - Plenarna sjednica
10:00 – 12:00
Hall/Sala: "Velika sala"

(Coffee break - Kafe pauza: 12:00 - 12:30)

Session I-IV/Sekcija I-IV: 12:30-15:00

Session I/Sekcija I ***Hall/Sala: "Velika sala"***	***Session II/Sekcija II*** ***Hall/Sala: "Kožna sala"***
Session III/Sekcija III ***Hall/Sala: "Biblioteka"***	***Session IV/Sekcija IV*** ***Hall/Sala: "Sala IV"***

(Lunch break/Pauza za ručak: 15:00-16:00)

Session V-VIII/Sekcija V-VIII: 16:00-19:00

Session V/Sekcija V ***Hall/Sala: "Velika sala"***	***Session VI/Sekcija VI*** ***Hall/Sala: "Kožna sala"***
Session VII/Sekcija VII ***Hall/Sala: "Biblioteka"***	***Session VIII/Sekcija VIII*** ***Hall/Sala: "Sala IV"***

Saturday/Subota, 27 June 2026

Session IX-XII/Sekcija IX-XII: 09:00-11:30

Session IX/Sekcija IX ***Hall/Sala: "Velika sala"***	***Session X/Sekcija X*** ***Hall/Sala: "Kožna sala"***
Session XI/Sekcija XI ***Hall/Sala: "Biblioteka"***	***Session XII/Sekcija XII*** ***Hall/Sala: "Sala IV"***

Friday/Petak, 26 June 2026

Plenary Session - Plenarna sjednica

10:00 – 12:00

Moderators: ***Prof. Isak Karabegović, PhD, Prof. Ahmed Kovačević, PhD, Prof. Sead Pašić, PhD, Prof. Fuad Ćatović, PhD, Prof. Safet Isić, PhD***

001 *QUANTUM COMPUTING FOR COMPUTATIONAL SCIENCE AND ENGINEERING: POTENTIAL, CHALLENGES, AND PATHWAYS TO APPLICATIONS*
Matthias Möller

002 *FROM DATA MINING TO DECISION SUPPORT: AI IN INDUSTRY AND SUSTAINABILITY*
Filiz Ersöz

003 *CYBERSECURITY IN HIGHER EDUCATION: NEW HORIZONS OF RISKS AND RESPONSES IN THE ERA OF ARTIFICIAL INTELLIGENCE*
Ramo Šendelj

004 *THE ROLE OF NETWORKING IN INTELLIGENT TRANSPORTATION SYSTEMS AND SERVICES*
Robert Rijavec

Coffee break - Kafe pauza
12:00 – 12:30

Interactive Demo - Interaktivna demonstracija

12:00 – 12:30

THE FUTURE OF ACCESSIBLE ROBOTICS: A LIVE DEMO OF DIY ROBOTIC ECOSYSTEM
Amer Sarajlić, Lejla Banjanović-Mehmedović, Isak Karabegović, Malik Čabaravdić

Session/Sekcija I: 12:30 - 15:00

Moderators: ***Samir Lemeš, Safet Isić, Domenico Guida***

Secretary: ***Zlata Jelačić***

I 01 *THE IMPACT OF DIGITAL PHOTOGRAPHY CHARACTERISTICS ON THE PERFORMANCE OF FACIAL RECOGNITION ALGORITHMS*
Samir Lemeš, Kenan Bajramović, Edin Tabak

I 02 *USING LEGO MODELS TO TRAIN PROSPECTIVE AUTOMOTIVE ENGINEERS*
Ivanov Viktor, Dimitrov Lubomir, Tetiana Melenchuk, Radionov Ihor

I 03 *DESIGN OF MULTIPLIERLESS COMPENSATORS FOR CASCADED COMB DECIMATION FILTERS WITH FULL STOPBAND ALIASING REJECTION*
Gordana Jovanovic Dolecek, Isak Karabegovic

I 04 *DIGITAL TWIN-BASED STRUCTURAL ASSESSMENT OF HEAVY VEHICLE SUSPENSION COMPONENTS*
Caner Baybas, Fevzi Doganer, Hatice Akavioglu, Cengiz Mert Turkmen, Mustafa Acarer

I 05 *SENSORIMOTOR STRATEGY IN CONTROL DESIGN OF REHABILITATION ROBOTICS: A STUDY OF STABILITY AND PERFORMANCE*
Zlata Jelačić

I 06 *COMPARISON OF NONLINEAR CONTROL STRATEGIES FOR THE UR3 COBOT MODELED IN THE SIMSCAPE MULTIBODY ENVIRONMENT*
Carmine Maria Pappalardo, Alessandro Valiante, Rosario La Regina, Domenico Guida

I 07 *MULTIBODY ANALYSIS AND CONTROL SYNTHESIS OF AN AUTONOMOUS UNMANNED GROUND VEHICLE USING FEEDFORWARD BRAKING TORQUES AND PROPORTIONAL-DERIVATIVE FEEDBACK CONTROLLERS*
Rosario La Regina, Riccardo Papa, Carmine Maria Pappalardo, Domenico Guida

I 08 *DEVELOPMENT OF A PASSIVE SUSPENSION SYSTEM FOR AN AUTONOMOUS TRACKED UNMANNED GROUND VEHICLE USING A MULTIBODY DYNAMICS APPROACH*
Rosario La Regina, Giovanni De Sio, Carmine Maria Pappalardo, Domenico Guida

I 09 *TRAJECTORY GENERATION AND LQR CONTROL OF A THREE-DEGREE-OF-FREEDOM ROBOTIC MANIPULATOR FOR INDUSTRIAL APPLICATIONS*
Pasquale Notaro, Rosario La Regina, Carmine Maria Pappalardo, Domenico Guida

I 10 *INTEGRATED DOE–LATIN HYPERCUBE APPROACH FOR ROBOTIC CELL-LAYOUT OPTIMIZATION AND SLOSHING REDUCTION*
Alessia Porcaro, Zandra B. Rivera Chavez, Marco C. De Simone, Domenico Guida

I 11 *DESIGN OPTIMIZATION OF A MODULAR UGV SUSPENSION SYSTEM USING FULL-FACTORIAL DOE AND MULTIBODY SIMULATION*
Marco C. De Simone, Zandra B. Rivera Chavez, Alessia Porcaro

I 12 *VIBRATION-BASED ANALYSIS FOR PREDICTIVE MAINTENANCE OF HIGH-SPEED ELECTRIC TRAINS (ETR): A SIGNAL PROCESSING CASE STUDY*
Domenico Gentiluomo, Leidy E. Pamplona Beròn, Marco C. De Simone

I 13 *ANALYSIS OF HIERARCHICAL ORGANIZATION, FLEXIBILITY, AND CONTROL OF THE SENSORIMOTOR SYSTEM BASED ON A DYNAMIC MODEL OF THE UPPER EXTREMITY*
Zlata Jelačić

I 14 *MODEL-BASED DESIGN AND SIMULATION OF TIRE–TERRAIN INTERACTION IN OFF-ROAD AUTONOMOUS VEHICLES*
Marco C. De Simone, Leidy E. Pamplona Beròn, Domenico Gentiluomo

Student session (MSc & PhD Presentations)

I 15 *CYBERSECURITY VULNERABILITY ANALYSIS OF SUBSTATIONAUTOMATION SYSTEM: MODELING, ATTACK SIMULATION, AND PROTECTIVE STRATEGIES USING MATLAB/SIMULINK*
Merjem Husić

I 16 *OVERVIEW OF THE USE OF CAD TOOLS IN COMPANIES IN BOSNIA AND HERZEGOVINA*
Mubina Musić, Adis J. Muminović, Enis Muratović, Nedim Pervan

I 17 *ENERGY-EFFICIENT HYDRAULIC PRESS CONTROL WITH A VARIABLE-SPEED PUMP*
Žiga Janežič, Vito Tič

Session/Sekcija II: 12:30 - 15:00

Moderators: ***Vidosav Majstorović, Isak Karabegović, Gordana Zeba***

Secretary: ***Mehmed Mahmić***

II 01 *ROLE OF ARTIFICIAL INTELLIGENCE AND DIGITAL TWIN TECHNOLOGIES IN THE TRANSITION TO HUMAN-CENTRIC MANUFACTURING*
Gordana Zeba

II 02 *ADVANCED ROBOTIC GRIPPERS FOR INDUSTRIAL AUTOMATION: A REVIEW WITH FOCUS ON PALLETIZING APPLICATIONS AND HUMAN–ROBOT PERFORMANCE COMPARISON*
Isak Karabegović, Ermin Husak, Samir Vojić, Lejla Banjanović-Mehmedović

II 03 *DESIGN AND OPTIMIZATION OF AN ADAPTIVE GRIPPER FOR AUTOMATED RETRIEVAL AND PALLETIZING OF PRODUCTS WITH VARIABLE CHARACTERISTICS*
Isak Karabegović, Samir Vojić, Ermin Husak, Lejla Banjanović-Mehmedović, Mehmed Mahmić, Mirha Bičo Ćar, Amina Radončić, Ramiz Sijamhodžić

II 04 *SIMULATION OF THE KINEMATICS OF A BIONIC FINGER FOR A HAND EXOSKELETON USING PUSH-ROD LINKAGES*
Vitaliy Korendiy, Bohdan Markovych, Maksym Durniak, Ihor Kryvuliak

II 05 *APPLICATION OF MACHINE LEARNING METHODS TO A ROBOTIC REHABILITATION GLOVE*
Senad Rahimić, Amila Dedić

II 06 *APPLICATION OF ADDITIVE TECHNOLOGIES IN EXPERIMENTAL VIBRATION TESTING OF TRUSS STRUCTURES*
Ermin Husak, Ramiz Sijamhodžić, Safet Isić

II 07 *AUTONOMOUS INSPECTION AND REAL TIME MAINTENANCE USING MOBILE AND COLLABORATIVE ROBOTS*
Isak Karabegović, Mehmed Mahmić, Edina Karabegović, Ermin Husak, Samir Vojić

II 08 *A HYBRID SOLVER FOR DIGITAL TWINS: COMBINING SYMBOLIC AND NUMERICAL METHODS*
Nermin Čolo, Safet Isić, Izudin Džafić

II 09 *INTEGRATED MODEL OF INDUSTRY 4.0 AND INDUSTRY 5.0 – CASE STUDIES*
Aleksandar Vidojković, Sergey Vostrikov, Vidosav D. Majstorović

II 10 *DEVELOPMENT OF A TOOL FOR ASSESSING THE LEVEL OF INDUSTRY 4.0 AND LEAN MANUFACTURING IMPLEMENTATION*
Bošnjak Igor, Stojkić Željko, Šaravanja Luka

Student session (MSc & PhD Presentations)

II 11 *OPEN-SOURCE CLOSED-LOOP STEPPER MOTOR CONTROLLER FOR DIY ROBOTIC ARM APPLICATIONS*
Amer Sarajlić, Lejla Banjanović-Mehmedović, Isak Karabegović

II 12 *AI-ENHANCED SKILLOA FOR LLM-DRIVEN VISUAL PROGRAMMING IN AUTONOMOUS MANUFACTURING: OBJECT RECOGNITION AND SPATIAL REASONING CHALLENGES*
Amer Sarajlić, Malik Čabaravdić, Lisa Ollinger

II 13 *DESIGN AND IMPLEMENTATION OF A MECANUM-WHEEL AGV WITH GENETIC ALGORITHM-BASED ROUTE OPTIMIZATION*
Žiga Breznikar, Janez Gotlih, Miran Brezočnik

II 14 *REAL-TIME VISION INSPECTIONFOR OPERATOR-ASSISTED ASSEMBLY STATIONS*
Ben Šnajder, Vito Tič

II 15 *MATHEMATICAL FRAMEWORK FOR EVALUATING AMR INVESTMENT IN WAREHOUSE MATERIAL HANDLING*
Faris Ferizbegović, Hadis Bajrić, Muhamed Sinanović

II 16 *SCENARIO-BASED PAYBACK PERIOD ANALYSIS OF AMR INVESTMENT: COMPARATIVE STUDY OF EU AND WESTERN BALKAN COUNTRIES*
Faris Ferizbegović, Hadis Bajrić, Muhamed Sinanović

II 17 *MULTI-OUTPUT DRIFT DETECTION AND MODEL ADAPTATION IN SEMICONDUCTOR MANUFACTURING*
Amina Mević, Mohamed Ghoneim, Senka Krivić

II 18 *A HOLISTIC APPROACH TO HEALTHCARE IMPROVEMENT: INTEGRATING PROCESS MODELLING, INFORMATION SYSTEMS AND ADVANCED IMAGING*
Dan Theodor Andronic, Stefan Titu, Aurel Mihail Titu

Session/Sekcija III: 12:30 - 15:00

Moderators: ***Samir Vojić, Emina Džaferović-Mašić, Nediljka Vukojević Medvidović***
Secretary: ***Edin Šemić***

III 01 *ESTIMATION OF SLOSHING ANGLE USING SIGNAL PROCESSING TECHNIQUES AND A LINEAR REGRESSION MODEL*
Leidy E. Pamplona Beròn, Salvio Veneziano, Marco C. De Simone

III 02 *ELO-DRIVEN MACHINE LEARNING FOR EUROPEAN FOOTBALL MATCH PREDICTION*
Veljko Spasojević, Milica Tufegdžić, Marija Mojsilović, Vladan Čolić

III 03 *CHARACTERISTICS OF PULVERIZED CO-FIRING OF BROWN COAL AND BLACK PELLETS*
Nihad Hodzic, Kenan Kadic, Anes Kazagic, Nedim Ganibegovic

III 04 *ONE-SLIT DIFFRACTION EXPERIMENTENHANCED WITH LDR*
Emina Džaferović-Mašić, Mateo Bušić

III 05 *MAGNET-ZEOLITE-DRIVEN ELECTROCOAGULATION OF SYNTHETIC LAUNDRY GRAYWATER*
Nediljka Vukojević Medvidović, Senka Gudić, Ladislav Vrsalović, Sandra Svilović, Ivona Čule

III 06 *IMPACT OF HIGH-STRENGTH BARS ON SPIRAL COLUMN CAPACITY*
Muhammad Saad Khan, Muhammad Yousuf Iqbal, Muhammad Masood Rafi

III 07 *GREEN TRANSITION AWARENESS IN TÜRKİYE'S IRON AND STEEL INDUSTRY*
Filiz Ersöz, Neslihan Köse

III 08 *AN IMPROVEMENT OF PENDULUM-TYPE TUNED MASS DAMPER USING ADDITIONAL FORCING*
Semir Mehremić, Safet Isić, Emir Nezirić, Ermin Husak

III 09 *MATHEMATICAL MODELING AND OPTIMIZATION OF PHOTOVOLTAIC PANEL ORIENTATION WITH SUN-TRACKING SYSTEMS*
Edin Šemić, Emir Nezirić, Safet Isić, Ermin Husak, Samir Vojić

III 10 *SOUND SPEED CALCULATION WITH QUINCKE'S TUBE SET-UP WITHIN DIFFERENT PARAMETRIZATIONS*
Emina Džaferović-Mašić, Imran Husremović

III 11 *FINITE VOLUME ANALYSIS OF THERMAL BEHAVIOUR OF BINGHAM PIPE FLOW*
Almin Halač, Ejub Džaferović, Amra Hasečić

III 12 *COMPARATIVE ANALYSIS OF THE PERFORMANCE OF TOOL MATERIALS WHEN TURNING HARDENED STEEL*
Mirfad Tarić, Pavel Kovač, Borislav Savković, Safet Velić, Miroslav Duspara, Dušan Ješić

III 13 *RESEARCH ON WELDED JOINTS WITH HETEROGENEOUS WELD METAL OF HIGH-STRENGTH STEELS IN THE AVIATION INDUSTRY*
A. R. Dzyubyk, I. V. Nazar, Voitovich Andriy, L. V. Dzyubyk, O. W. Soloviov, Khomych Ivan

Student session (MSc & PhD Presentations)

III 14 *AI-ENHANCED MECHATRONIC ACTUATION AND SENSING FOR AUTONOMOUS VEHICLE DYNAMICS*
Emanuel Balc, Aurel Mihail Titu, Dragos - Florin Marcu, Bogdan Florea

III 15 *IMPACT OF VEHICLE GEOMETRY ON AERODYNAMICS: COMPARATIVE CFD STUDY OF AHMED AND DRIVAER MODELS*
Ammar Trakić, Mirsad Trobradović, Jasmin Šehović, Dževad Bibić

III 16 *ANALYSIS OF WATER MOTION IN A HYDROPOWER PLANT RESERVOIR DURING A FLOOD WAVE EVENT*
Mensud Đidelija, Adis Bubalo, Suad Špago, Muris Torlak, Safet Isić

III 17 *CONSTRUCTIONAL OPTIMIZATION OF FLUE GAS CHANNEL IN A HOT-WATER BOILER BASED ON NUMERICAL FLOW ANALYSIS*
Sabahudin Muharemović, Jasmin Halilović, Mersida Manjgo

Session/Sekcija IV: 12:30 - 15:00

Moderators: ***Halima Hadžiahmetović, Branko Štrbac, Stipo Buljan***

Secretary: ***Darko Šunjić***

IV 01 *APPLICATION OF FAILURE MODES AND EFFECTS ANALYSIS (FMEA) FOR RELIABILITY IMPROVEMENT OF CENTRIFUGAL PUMP SYSTEMS IN INDUSTRIAL APPLICATIONS*
Cristina- Mihaela Fleacă

IV 02 *MODELING OF THE LASER CUTTING PROCESS USING RSM BASED ON BOX-BEHNKEN DESIGN*
Derzija Begic-Hajdarevic, Izet Bijelonja, Kenan Muhamedagic, Ahmet Cekic,Edin Begovic, Maida Cohodar Husic

IV 03 *THEORETICAL PROBLEMS OF MODELING THE TRAPEZEIDIAL THREAD CUTTER WHIRLING PROCESS*
Oleh Onysko, Volodymyr Kopei, Iryna Sculiar, Bohdan Shuliar, Andrii Perun

IV 04 *TECHNOLOGICAL ASSURANCE OF PRODUCT SHAPE FORMATION ON THE BASIS OF COMPLEX TECHNOLOGICAL AND ECONOMIC CRITERION*
Oleg Konyukh, Taisia Nakonechna, Nazarii Kusen, Pavlo Brukhal, Tetiana Lukan, Lolita Pituley

IV 05 *INVESTIGATION OF THE MILLING PERFORMANCE OF DIFFERENT SUPPORT STRUCTURES PRODUCED BY FDM USING HYPER PLA*
Yavuz Selim Gözüm, Mehmet Ali Bayrak, Onur Tosun, Yusuf Furkan Yapan, Haydar Livatyalı, Alper Uysal

IV 06 *ADVANCED DESIGN AND ADDITIVE MANUFACTURING STRATEGIES FOR A SCALED WIND TURBINE MODEL*
Ioana Catalina Enache, Andrei Vilcu, Oana Roxana Chivu, Andrei Iacob

IV 07 *PERFORMANCE EVALUATION OF A LABORATORY-SCALE TUBULAR HEAT EXCHANGER FOR AIR PREHEATING APPLICATIONS*
Mirela Alispahić, Halima Hadžiahmetović, Nijaz Delalić, Lamija Srkalović

IV 08 *RESEARCH ON ENERGY EFFICIENCY OF CONTACT-TYPE HEAT EXCHANGER NOZZLES*
Roman Klimov, Iryna Sokolovska, Olena Hlushchenko, Predrag Dašić, Tetiana Lysenko

IV 09 *MULTIFACTOR MODELS FOR DETERMINING OPTIMAL DESIGN OF HEAT EXCHANGERS*
Roman Klimov,Oleg Zhulkovskyi, Olha Filimonenko, Predrag Dašić, Volodymyr Tonkonogyi

IV 10 *COMPARISON OF DIMENSIONAL DEVIATIONS IN SPHERES OF DIFFERENT WALL THICKNESSES FORMED BY EXPLOSIVE FORMING*
Buljan Stipo, Šunjić Darko, Božo Goluža

IV 11 *A COMPARISON BETWEEN RAYLEIGH-RITZ AND FINITE ELEMENT MODELS FOR THE STRENGTH ANALYSIS OF REINFORCED CONCRETE WALLS SUBJECTED TO BLAST LOADS*
Domenico Guida, Daniele Melara, Rosario La Regina,Valentino Paolo Berardi, Carmine Maria Pappalardo

IV 12 *DESIGN METHODOLOGY AND CONTROL STRATEGY FOR THE LOCOMOTION OF A TRACKED UNMANNED GROUND VEHICLE*
Domenico Guida, Biagio Celentano, Rosario La Regina, Carmine Maria Pappalardo

IV 13 *MECHANICAL DESIGN OF A NEW COMPOUND PLANETARY GEARBOX MOUNTED ON AN UNMANNED GROUND VEHICLE FOR OFF-ROAD APPLICATIONS*
Carmine Maria Pappalardo, Alfonso Di Maio, Rosario La Regina, Domenico Guida

IV 14 *OPTIMIZING CONCRETE SCREED FOR STRENGTH, DURABILITY AND WEAR RESISTANCE – MODERN CONCRETE SCREEDS*
Sanin Džidić, Amar Ćelo

Student session (MSc & PhD Presentations)

IV 15 *GAGE LINEARITY AND BIAS STUDY OF THE EXPERIMENTAL MEASURING DEVICE COMBINING LINEAR ENCODER WITH FDM TECHNOLOGY*
Miloš Ranisavljev, Branislav Dudić, Biserka Runje, Savković Borislav, Branko Štrbac

IV 16 *DESIGN CONCEPT OF DOUBLE-BASE SOLID-PROPELLANT MOTOR FOR SMALL SOUNDING ROCKETS*
Ajdin Tabić, Faruk Razić, Jasmin Terzić

IV 17 *STATISTICAL MODELLING OF THE INFLUENCE OF CEMENT CLASS ON THE COMPRESSIVE STRENGTH OF CONCRETE*
Farah Mešanović, Sanin Džidić, Emir Hodžić

Session/Sekcija V: 16:00 - 19:00

Moderators: ***Alma Žiga, Fuad Ćatović, Belma Fakić***

Secretary: ***Marko Ćećez***

V 01 *APPLICATION OF FRP BARS IN TIMBER BEAMS*
Merima Salčin, Azra Mahinić Vrce, Fuad Ćatović

V 02 *STRESS AND DEFLECTION ANALYSIS OF A WOODEN BEAM FOR A TWO-USER PLAYGROUND SWING*
Žiga Alma

V 03 *INVESTIGATION OF THE STRESS-STRAIN STATE OF A TWO-SUPPORT BEAM TRANSITION OF A MAIN PIPELINE*
Dzyubyk Andriy, Grudz Volodymyr, Dzyubyk Lyudmyla, Korendiy Vitaliy, Nazar Iho, Soloviov Oleh

V 04 *REGRESSION ANALYSIS OF START MARTENSITIC TRANSFORMATION IN SEMIAUSTENITIC STAINLESS STEEL 17-7PH WITH MODIFIED CHEMICAL COMPOSITION*
Belma Fakić, Adisa Burić, Edib Horoz

V 05 *THE INFLUENCE OF ENVIRONMENTALLY FRIENDLY LUBRICATING MEDIA ON THE CHANGE IN THE QUALITY OF THE SURFACE LAYER OF A METAL-CUTTING TOOL*
Vladimir Skakun, Ruslan Dzhemalyadinov, Predrag Dašić, Eshreb Dzhemilov, Eldar Vaniev

V 06 *PARAMETERS OF SUPERPLASTIC FORMING OF ALUMINIUM ALLOYS*
Mirna Nožić, Himzo Đukić

V 07 *COMPUTER-AIDED DESIGN OF PRODUCTS AND TECHNOLOGIES IN CONCEPTUAL MODELING USING AN INFORMATION MODEL*
Tigariev Volodymyr, Lopakov Oleksii, Raul Turmanidze, Predrag Dašić

V 08 *CONTRIBUTION TO THE PARAMETER IDENTIFICATION OF A CYBERNETIC SYSTEM: DRIVER–TRUCK–ENVIRONMENT*
Miroslav Demić (retired professor), Aleksandar Đurić, Momir Drakulić, Aleksandar Grkić, Slavko Muždeka

V 09 *PARAMETER REGIONS OF DIFFERENT QUALITATIVE BEHAVIOR OF RATIONAL DIFFERENCE EQUATIONS WITH QUADRATIC TERMS*
Naida Mujić, Jasmin Bekteševi, Vahidin Hadžiabdić, Midhat Mehuljić, Sead Peco

V 10 *ON THE DYNAMICS OF RATIONAL DIFFERENCE EQUATIONS WITH QUADRATIC TERMS OF TYPE (1, 3)*
Jasmin Bektešević, Vahidin Hadžiabdić, Midhat Mehuljić, Naida Mujić, Sead Peco

V 11 *EXISTENCE AND LOCAL BEHAVIOR OF EQUILIBRIA OF RATIONAL DIFFERENCE EQUATIONS WITH NONLINEAR TERMS*
Naida Mujić, Jasmin Bektešević, Amil Pečenković

Student session (MSc & PhD Presentations)

V 12 *A COMPARATIVE STUDY OF CODE-BASED AND NUMERICAL METHODS FOR STATIC ANALYSIS OF RC FLAT SLABS*
Adna Likić, Sanin Džidić, Smilja Bursać

V 13 *DETERMINANTS OF CONSTRUCTION PROJECT TIME PERFORMANCE: A COMPREHENSIVE SYSTEMATIC REVIEW*
Emad Arebi Mamoua, Ahmed El Sayed, Lejla Odobasic

V 14 *THE EFFECT OF DIFFERENT GLASS TYPES AS REPLACEMENT FOR SAND ON PROPERTIES OF MORTAR*
Muhammed Ratkusić, Marko Ćećez, Merima Šahinagić-Isović, Sead Peco

V 15 *ANALYSIS OF THE EFFECT OF TEMPERATURE VARIATIONS ON THE MECHANICAL CHARACTERISTICS OF ABS MECHATRONIC BRAKING SYSTEM COMPONENTS*
Daniel Balc, Aurel Mihail Titu, Calin Gheorghe Dan Neamtu, Liviu Marius Cîrtina

V 16 *INFLUENCE OF GRANITE POWDER AS A PARTIAL REPLACEMENT FOR CEMENT ON THE FRESH AND HARDENED PROPERTIES OF CEMENT COMPOSITES*
Rijalda Džiho, Merima Šahinagić-Isović, Marko Ćećez, Fuad Ćatović

V 17 *QUALITATIVE ANALYSIS OF FACTORS INFLUENCING THE CONSTRUCTION PROJECTS SUCCESS IN BOSNIA AND HERZEGOVINA*
Emad Arebi Mamoua, Ahmed El Sayed, Lejla Odobasic

Session/Sekcija VI: 16:00 - 19:00

Moderators: ***Lejla Banjanović-Mehmedović, Lucija Brezočnik, Milica Tufegdžić***
Secretary: ***Amina Radončić***

VI 01 *PERIODIC POINTS AND GLOBAL DYNAMICS OF RATIONAL DIFFERENCE EQUATIONS WITH NONLINEAR TERMS*
Naida Mujić, Jasmin Bekteševič, Amil Pečenković

VI 02 *PREDICTING UNIVERSITY SUCCESS: VALIDATING MACHINE LEARNING MODELS FOR SOCIAL MEDIA USER ENGAGEMENT*
Engin Obucic, Mersid Poturak, Dino Keco

VI 03 *THE IMPACT OF GENERATIVE AI TOOLS ON STUDENT ACADEMIC PERFORMANCE: MACHINE LEARNING APPROACH*
Vladan Čolić, Enes Sukić, Milica Tufegdžić, Marija Mojsilović, Veljko Spasojević

VI 04 *NAWI VERIFICATIONS DATA ANALYSIS WITH MACHINE LEARNING TOOLS FOR METROLOGICAL SUPERVISION*
Haris Memić, Šejla Ališić, Almira Softić, Jasmin Kevrić

VI 05 *AI-DRIVEN TRAJECTORY OPTIMIZATION FOR LARGE-SCALE CONSTRUCTION 3D PRINTING*
Yaroslav Garashchenko, Predrag Dašić, Vladimir Fedorovich, Yevgeniy Ostroverkh

VI 06 *QUANTIFYING THE IMPACT OF IMPUTATION QUALITY ON AIR QUALITY FORECASTING MODELS*
Grega Vrbančič, Benjamin Petelinek, Vili Podgorelec, Lucija Brezočnik

VI 07 *REAL ESTATE PRICE FORCASTING USING RANDOM FOREST REGRESSION*
Lamija Lemeš, Edin Tabak, Samir Omanović

VI 08 *ARCHITECTURAL THREAT AND TRUST MODELS IN DISTRIBUTED INFORMATION SYSTEMS*
Koliada Andrii, Raul Turmanidze, Litvinov Volodymyr, Liubachevska Iryna, Giorgi Popkhadze

VI 09 *HYBRID POST-QUANTUM QUIC HANDSHAKES ON CONSTRAINED EDGE DEVICES: DESIGN AND EVALUATION*
Koliada Andrii, Bovnegra Liubov, Raul Turmanidze, Giorgi Popkhadze

VI 10 *A MACHINE LEARNING FRAMEWORK FOR PREDICTING HUMAN PUBIC BONE MORPHOMETRIC PARAMETERS*
Milica Tufegdžić, Milan Mitković, Đorđe Mirjanić, Nevena Tufegdžić

VI 11 *ANALYSIS OF WATER QUALITY IN SWIMMING POOLS: APPLICATION OF STATISTICS AND MACHINE LEARNING*
Mirza Pašić, Nedim Hamzić, Izet Bijelonja, Hadis Bajrić

VI 12 *PERFORMANCE EVALUATION OF MULTI-ANTENNA MILLIMETER-WAVE COMMUNICATION SYSTEMS IN INDUSTRIAL SCENARIOS*
Faruk Pašić

Student session (MSc & PhD Presentations)

VI 13 *INTERACTIVE SIMULATION AND VISUALIZATION OF CHAOTIC NONLINEAR DYNAMIC SYSTEMS USING PYTHON*
Elmir Kevilj, Ernest Gungl, Zmago Brezočnik

VI 14 *FUZZY GRAPHS AND AGGREGATION FUNCTIONS IN VISUAL DATA SEGMENTATION*
Irma Ibrišimović, Nebojša M. Ralević, Lidija Čomić, Bratislav D. Iričanin

VI 15 *TOWARDS A SUSTAINABLE MODEL OF EQUESTRIAN FACILITIES*
Hari Bibezić, Nerma Smajlović Orman

VI 16 *AURELIA – AN EEG-BASED NEUROADAPTIVE AUDIO SYSTEM FOR MENTAL STATE CLASSIFICATION IN ADHD AND AUTISM*
Amina Radončić, Mehrija Hasičić

VI 17 *PORTABLE HIGH-PERFORMANCE GEMV AND GEMM ON VULKAN COMPUTE SHADERS FOR AI AND ML WORKLOADS*
Tarik Hrnjić, Izudin Džafić, Safet Isić

Session/Sekcija VII: 16:00 - 19:00

Moderators: ***Aurel Mihail Ţîţu, Sead Pašić, Predrag Dašić***

Secretary: ***Ermin Husak***

VII 01 *A METHOD FOR PROTECTING DIGITAL DOCUMENTS FROM UNAUTHORIZED MODIFICATION BASED ON AN IMPROVED RDH ALGORITHM USING ADAPTIVE NOISE REDUCTION*
Yurii Yaremchuk, Vasyl Karpinets, Anatolii Hrytsak, Iryna Zoria, Yurii Ishchenko

VII 02 *DATA-DRIVEN ASSESSMENT OF DELIVERY TIME PERFORMANCE IN UNIVERSAL POSTAL SERVICES WITHIN A MULTI-OPERATOR ENVIRONMENT*
Ermin Muharemović, Muhamed Begović, Amel Kosovac, Samir Čaušević

VII 03 *DIGITAL INFRASTRUCTURE AND THE SECURITY DISCOURSE: ONLINE MEDIA COVERAGE OF FEMICIDE IN BOSNIA AND HERZEGOVINA*
Adem Olovčić, Dženana Telalagić, Ajla Aljović

VII 04 *DIGITAL INTEGRITY MECHANISMS AND EXPERT E-SYSTEMS AS DETERMINANTS OF EFFECTIVE INSPECTION CONTROL*
Đevad Šašić, Merima Tanović

VII 05 *DIGITAL EVIDENCE AND REPORTING ON THE RESOLUTION OF ADMINISTRATIVE MATTERS IN ADMINISTRATIVE PROCEDURES*
Emir Mehmedović, Rijad Delić, Đevad Šašić

VII 06 *MODELLING MARKET FACTORS INFLUENCING THE PRICING OF DIGITAL ASSETS*
Chukurna Olena, Olvinska Yulii, Yatvetska Hanna, Tardaskina Tetiana, Pohorielova Tetiana

VII 07 *A COMPARATIVE ANALYSIS OF CLUSTERING ALGORITHMS FOR EMPLOYEE SEGMENTATION IN HUMAN RESOURCE MANAGEMENT INFORMATION SYSTEMS*
Arda Alp, Filiz Ersöz

VII 08 *ENHANCING HEMATOLOGY INTERPRETATION WITH RAG: A PRELIMINARY STUDY ON AI-GUIDED CLINICAL DECISION SUPPORT*
Merim Jusufbegović, Vahidin Hasić, Kenan Sehić

VII 09 *DEVELOPMENT OF A COST-EFFECTIVE IOT-BASED PROTOTYPE FOR HAZARDOUS SUBSTANCE DETECTION IN SMART HOMES*
Alem Čolaković, Tarik Turkušić, Adisa Hasković Džubur, Nazif Salihović

Student session (MSc & PhD Presentations)

VII 10 *STRATEGIES FOR EFFICIENT COST MANAGEMENT IN HYBRID CLOUD IT INFRASTRUCTURE*
Marius Toderici, Aurel Mihail Titu, Calin Gheorghe Dan Neamtu

VII 11 *ARM-AI: A MULTI-AGENT ARCHITECTURAL PARADIGM FOR AUTONOMOUS RISK MANAGEMENT IN SOFTWARE ENGINEERING*
Claudiu Florin Iuonaș, Aurel Mihail Titu, Claudiu Florin Iuonaș

VII 12 *PRACTICAL CYBERSECURITY AND INTEROPERABILITY ANALYSIS IN HETEROGENEOUS IEC 61850 NETWORKS*
Burhan Ljubović, Nedim Osmić

VII 13 *DIGITAL AND AI TOOLS IN EDUCATION: INSIGHTS FROM EDUCATORS AND LEARNERS*
Mubina Kamberović, Suad Krilašević, Senka Krivić

VII 14 *A REVIEW OF AREAS OF ARTIFICIAL INTELLIGENCE APPLICATION IN RAILWAY TRANSPORT*
Aida Kalem, Nedžad Branković, Nermin Čabrić, Adisa Medić

VII 15 *DIGITAL TOOLS FOR DATA COLLECTION AND PROCESSING FOR THE DEVELOPMENT OF THE TRANSPORT MODEL OF CITY ŽIVINICE*
Ajdin Džananović, Mustafa Mehanović, Mirza Berković, Adnan Tatarević

VII 16 *APPLICATION OF ARTIFICIAL INTELLIGENCE TOOLS IN MODERN AUDITING*
Selma Beganović, Lejla Demirović, Amela Piralić, Haris Jahić

VII 17 *EXPLORING THE ROLE OF EMERGING DIGITAL TECHNOLOGIES IN ENHANCING MANAGERIAL DECISION-MAKING*
Radu Marian Bujdoiu, Aurel Mihail Titu

Session/Sekcija VIII: 16:00 - 19:00

Moderators: ***Pero Škorput, Sadko Mandžuka, Amel Kosovac***

Secretary: ***Mirzet Sarajlić***

VIII 01 *ARTIFICIAL INTELLIGENCE-DRIVEN INNOVATION IN FINTECH: USER PERCEPTION AND TRUST AS CATALYSTS FOR TECHNOLOGY ADOPTION*
Masrina Nadia Mohd Salleh, Juhari Noor Faezah, Nurul Izzatty Ismail, Zumalia Norzailan

VIII 02 *A SYSTEMATIC REVIEW OF RESEARCH ON DIGITAL PLATFORMS - DEEPTECH INNOVATION: BROADENING OUR HORIZONS*
Lucas Sampaio Motta, João Pedro Passos, Selma Oliveira

VIII 03 *CONNECTED VEHICLES DATA SOURCES FOR NATIONAL ACCESS POINT IMPLEMENTATION*
Sadko Mandžuka, Božidar Šafran, Krešimir Vidović, Matko Matić

VIII 04 *ANALYSIS OF TRANSACTIONAL FACTORS AND LOGISTICS CHARACTERISTICS OF DELIVERY IN E-COMMERCE USING MULTIPLE LINEAR REGRESSION*
Amel Kosovac, Adisa Medić, Naida Šehić, Izudina Palo

VIII 05 *THE INFLUENCE OF INFORMATION ON THE UNCERTAINTY OF CONTROL PROCESSES IN INTELLIGENT TRANSPORTATION SYSTEMS*
Drago Ezgeta, Samir Čaušević, Ajdin Džananović, Jasmina Sikira

VIII 06 *CONTRIBUTION TO THE RESEARCH OF THE HYBRID METHOD OF CATEGORIZATION OF ROAD TUNNELS IN THE TRANSPORT OF HAZARDOUS MATERIALS*
Mirza Berković, Irma Pervić, Samir Džaferović

VIII 07 *UTILIZING DATA FROM PUBLIC MOBILE TELECOMMUNICATIONS NETWORKS IN INTELLIGENT TRANSPORT SYSTEMS*
Krešimir Vidović, Pero Škorput, Irena Čačić, Slaviša Babić

VIII 08 *METHODOLOGICAL FRAMEWORK FOR THE INTRODUCTION OF ENERGY EFFICIENT ELECTRIC VEHICLES ON OPTIMAL ROUTES IN THE TRANSPORT CHAIN OF MUNICIPAL WASTE COLLECTION AND REMOVAL*
Mirza Berković, Lejla Nikšić, Aida Kalem, Nazif Salihović

Student session (MSc & PhD Presentations)

VIII 09 *AUTOMATION AND OPTIMIZATION OF QUALITY ASSURANCE PROCESSES THROUGH DIGITAL TECHNOLOGIES IN KNOWLEDGE-BASED ORGANIZATIONSAND*
Sorin Constantin Nacu, Aurel Mihail Titu

VIII 10 *PROCESS AUDIT AS A TOOL FOR QUALITY OPTIMIZATION IN ELECTRICAL DISCHARGE MACHINING (EDM) WITHIN THE AUTOMOTIVE INDUSTRY*
Ioan Dănuț Iuonaș, Aurel Mihail Titu, Claudiu Florin Iuonaș

VIII 11 *ASSESMENT OF PERFORMANCE AND SAFETY PARAMETERS BETWEEN THE ILSy RWY 11 AND THE NEW RNP RWY 11 APPROACH PROCEDURE AT SARAJEVO INTERNATIONAL AIRPORT*
Damir Džubur, Muharem Šabić, Haris Mehičić

VIII 12 *A SAFETY-BASED INFRASTRUCTURE AND LEGAL FRAMEWORK FOR ELECTRIC SCOOTERS*
Ajdin Džananović, Adnan Omerhodžić, Alem Čolaković

VIII 13 *ASYMMETRIES IN LEGAL STATUS AND MARKET CONDITIONS BETWEEN SOUTHEAST EUROPEAN AND EU TRANSPORT OPERATORS*
Izudin Botić, Mirzet Sarajlić, Muhamed Fetić

VIII 14 *A COOPERATIVE APPROACH WITHIN POSTAL SECURITY SYSTEM*
Kljak Tomislav, Binički Marijan, Škorput Pero

VIII 15 *THE IMPACT OF ELECTRIC VEHICLES ON REDUCING CARBON EMISSIONS IN MUNICIPAL WASTE LOGISTICS*
Mirzet Sarajlić, Maida Eljazović, Nedim Kamenjašević

Saturday/Subota, 27 June 2026

Session/Sekcija IX: 09:00 - 11:30

Moderators: ***Damir Špago, Suvada Šuvalija, Branislav Dudić***

Secretary: ***Elma Škaljić***

IX 01 *TECHNO-ECONOMIC ANALYSIS OF RESIDENTIAL SOLAR COLLECTORS FOR CARBON DIOXIDE EMISSION REDUCTION IN BOSNIA AND HERZEGOVINA*
Damir Špago, Adin Ahmetbegović, Emir Nezirić, Merima Gadara

IX 02 *EFFECTS OF BRIDGE STRUCTURES ON RIVER HYDRAULICS AND FLOOD RISK: A CASE STUDY*
Hata Milišić, Emina Hadžić, Suvada Šuvalija

IX 03 *IMPLEMENTATION OF INTEGRATED URBAN WATER MANAGEMENT*
Suvada Šuvalija, Hata Milišić, Biljana Buhavac

IX 04 *SUSTAINABLE WATERSHED MANAGEMENT AND MORPHOMETRIC CHARACTERISTICS: THE BIJELO POLJE BASIN, MONTENEGRO*
Velibor Spalevic, Branislav Dudic

IX 05 *URBANISATION AND PROTECTION OF WATER SOURCES: A REVIEW OF INTEGRATED AND INTERDISCIPLINARY APPROACHES TO WATER PROTECTION ZONE MANAGEMENT*
Emina Hadžić, Hata Milišić, Suvada Šuvalija

IX 06 *MULTI-HAZARD RISK, LANDSLIDES AND DROUGHT IN THE MONTENEGRIN COASTAL REGION: EVIDENCE, EXPOSURE PATTERNS AND GOVERNANCE GAPS*
Velibor Spalevic, Ivana Tomasevic, Nikola Abramovic, Rajko Novicevic

IX 07 *MEHANICAL DAMAGE OF FOREST ECOSYSTEMS AFTER LOGGING – A CASE STUDI OF „RISOVAC – KRUPA"*
Fatima Muhamedagić, Zemira Delalić

IX 08 *RESEARCH ON THE IMPACT OF INCREASED TRAFFIC ON ACCIDENT RATE IN LOCALITY DURING MARTIAL LAW*
Oleg Sitovskyi, Oleksandr Dubytskyi, Pavlo Mazylyuk, Danylo Yalovenko

IX 09	*IOT–GIS SYSTEM FOR GEOSPATIAL ANALYSIS OF GREEN AREAS IN THE CITY OF SARAJEVO* ***Alem Čolaković, Elmin Pezo, Belma Memić, Muhamed Begović, Nazif Salihović***
	Student session (MSc & PhD Presentations)
IX 10	*SIMULATION OF AN ACCIDENTAL AMMONIA RELEASE IN THE NERETVA RIVER DOWNSTREAM OF THE MOSTAR HYDROPOWER PLANT* ***Dževad Imamović, Hata Milišić, Haris Kalajdžisalihović***
IX 11	*DEVELOPING GREEN INFRASTRUCTURE IN PODGORICA: CHALLENGES, OPPORTUNITIES, AND NEW TECHNOLOGIES* ***Radovan Rosic, Velibor Spalevic***
IX 12	*INTENSITY OF NOIsE AS AN ENVIRONMENTAL RISK FACTOR: AN ANALYSIS OF MEASUREMENTS IN THEN MUNICIPALITY OF KLJUČ* ***Mirela Smajić, Fatima Muhamedagic, Sanel Draganović***
IX 13	*FROM HAZARD RECOGNITION TO RISK REDUCTION: A COMPREHENSIVE STUDY OF PROFESSIONAL LORRY DRIVERS IN ROAD FREIGHT TRANSPORT* ***Alexandra-Florina Iamandii, Radu Stefanoiu, Aurel Mihail Titu, Claudiu-Alexandru Covaci***
IX 14	*LONG-TERM PRECIPITATION ANALYSIS – METEOROLOGICAL STATION: SARAJEVO-BJELAVE* ***Mujčić Mirza***
IX 15	*ARTIFICIAL INTELLIGENCE IN BOSNIA AND HERZEGOVINA: SCENARIOS AND STRATEGIC PATHWAYS FROM THE PERSPECTIVE OF PUBLIC ADMINISTRATION* ***Ajla Karajko, Suad Krilašević, Senka Krivić, Elma Škaljić***
IX 16	*ARTIFICIAL INTELLIGENCE IN BOSNIA AND HERZEGOVINA: SCENARIOS AND STRATEGIC PATHWAYS FROM THE PERSPECTIVE OF SCIENCE AND THE BUSINESS SECTOR* ***Elma Škaljić, Suad Krilašević, Ajla Karajko, Senka Krivić***

Session/Sekcija X: 09:00 - 11:30

Moderators: ***Amra Bratovčić, Darko Lovrec, Mirko Ficko***

Secretary: ***Bia Mandžuka***

X 01 *INTEGRATION OF BIKE-SHARING SERVICES INTO MULTIMODAL JOURNEY PLANNERS: IMPORTANCE, BENEFITS AND CHALLENGES*
Bia Mandžuka, Leonid Ljubotina, Krešimir Vidović, Pero Škorput

X 02 *STRATEGIES FOR MONITORING BRIDGES USING 3D SURVEYING TECHNOLOGIES IN CONTEXTS OF GEOLOGICAL SUBSIDENCE*
Caterina Gabriella Guida, Marco Limongiello, Francesco Villecco

X 03 *TOWARDS INTELLIGENT MARITIME SEARCH AND RESCUE: A CONCEPTUAL FRAMEWORK FOR UAV INTEGRATION IN COASTAL SAR*
Dario Medić, Mario Bakota

X 04 *INTEGRATION OF BUILDING INFORMATION MODELING (BIM) AND GEOGRAPHIC INFORMATION SYSTEM (GIS):*
THE CASE STUDY OF THE 'EX-MOLINO MINETTI' IN CORDOBA, ARGENTINA
Marco Limongiello, Michele Grimaldi, Constanza Bollatti, Francesco Villecco

X 05 *DIGITAL PT SCHEME IN THE METAL INDUSTRY - CASE STUDIES*
Vidosav D. Majstorović, Dragan Rajnović, Jasminka Milosavljević, Vesna Vučić, Mara Kovačević

X 06 *FINAL MANUFACTURING OPERATION EXCELLENCE IN AUTOMOTIVE COMPANY: A CASE STUDY LEAN SIX SIGMA APPROACH WITHIN OEM PART ASSEMBLY PROCESS FROM BOSNIA AND HERZEGOVINA*
Ismar Alagić

X 07 *ROBUST-LEAN DESIGN OF AN AUTOMOTIVE AIR-CONDITIONING TUBE PRODUCTION LINE USING DISCRETE-EVENT SIMULATION UNDER UNCERTAINTY*
Lidija Rihar, Marjan Jenko

X 08 *VALUE CHAIN EXCELLENCE: A CASE STUDY LEAN SIX SIGMA REORGANISATION OF LAYOUT AND INDUSTRIAL PROCESSES IN COMPANY FROM BOSNIA AND HERZEGOVINA*
Ismar Alagić

X 09 *TOTAL PRODUCTIVE MAINTENANCE (TPM) CASE STUDY: APPLICATION OF INCIDENT METRICS IN WORKING CONDITIONS OF FIRM THROUGH LSS PROJECT*
Ismar Alagić

X 10 *LABOUR FORCE SHRINKING – IMPLICATIONS FOR POLICY*
Vjekoslav Domljan, Ivana Domljan

X 11 *UPDATING THE MECHANICAL ENGINEERING STUDY PROGRAM BASED ON THE EXPERIENCES OF THE PILOT PROJECT*
Darko Lovrec, Mirko Ficko

X 12 *QUANTUM DOT-BASED HETEROGENEOUS PHOTOCATALYSTS FOR EFFICIENT CO2 REDUCTION*
Amra Bratovčić

X 13 *SUSTAINABLE DEVELOPMENT OF ORGANIC FRUIT PRODUCTION IN MONTENEGRO WITH SPECIAL EMPHASIS ON BERRY CROPS (2016-2024)*
Dejan Zejak, Ivan Glisic, Zora Dajic Stevanovic, Velibor Spalevic

Student session (MSc & PhD Presentations)

X 14 *LANDSLIDE RISK ASSESSMENT BASED ON REAL-TIME RAINFALL DATA AND GROUNDWATER FLUCTATION MODELLING*
Damir Jagodić, Ahmed El Sayed, Zlatan Talić

X 15 *THE SCDCM MODEL FOR SUPPLY CHAIN DEVIATION ANALYSIS IN THE AUTOMOTIVE INDUSTRY: AN INTEGRATED APPROACH TO QUALITY IMPROVEMENT AND SUPPLIER DEVELOPMENT*
Claudiu Alexandru Covaci, Aurel Mihail Titu, Daniel Balc, Emanuel Balc, Adrian Bogorin-Predescu

X 16 *THE ROLE OF EMPLOYER FAMILIARITY IN SHAPING EXPECTED FUNCTIONAL BENEFITS OF EMPLOYER ATTRACTIVENESS AMONG FINAL-YEAR STUDENTS*
Milena Radenovic, Ensar Mekic, Lejla Sehanovic

X 17 *HOW EMPLOYER FAMILIARITY SHAPES EMPLOYER BRAND EQUITY: INVESTIGATING MODERATING EFFECTS OF AGE AND GENERALIZABLE DECISION PROCESSING*
Milena Radenovic, Lejla Sehanovic, Samira Avdic, Mersid Poturak

Session/Sekcija XI: 09:00 - 11:30

Moderators: ***Munira Šestić, Zijada Rahimić, Isat Skenderović***

Secretary: ***Ermin Husak***

XI 01 *VARIABILITY OF THE MORPHOMETRIC CHARACTERISTICS OF THE BALKAN GOLDEN LOACH (Sabanejewia balcanica) FROM THE WATERS OF THE SAVA RIVER BASIN*
Alen Bajrić, Edina Hajdarević, Isat Skenderović

XI 02 *PRECIPITATION OF HEAVY METALS FROM GALVANIC WASTEWATER USING CAO DERIVED FROM EGGSHELL WASTE*
Halid Junuzović, Sabina Begić, Amra Selimović, Melisa Ahmetović

XI 03 *DETERMINATION OF Mn (II) IONS FROM NATURAL WATERS BY FAAS METHOD AFTER PRECONCENTRATION BY ZEOLITE*
Halid Junuzović, Amra Selimović, Sabina Begić, Indira Šestan

XI 04 *INFORMATION SYSTEM FOR DECISION SUPPORT FOR EFFECTIVE MANAGEMENT OF BIOLOGICAL WASTEWATER TREATMENT*
Iryna Chub, Sergii Tymchuk, Oleksandr Shendryk, Shendryk Sergii

XI 05 *WHAT MATTERS TO THEM? GENERATION Z AND THEIR EXPECTATIONS AS FUTURE EMPLOYEES: A RESEARCH PATH TOWARDS COMPARING TWO CONTEXTS*
Zijada Rahimić, Zlatko Nedelko, Vojko Potočan, Munira Šestić

XI 06 *NEW TECHNOLOGIES IN STUDYING ADOLESCENTS' YOUTH–NATURE INTERACTIONS: INSIGHTS FROM A MIXED-METHODS APPROACH*
Valentina Smolovic, Nebojsa Zizic, Velibor Spalevic

XI 07 *INHABITING THE CITY: SPATIAL ECOLOGIES FOR ACTIVE AGEING. ENVIRONMENTAL QUALITY, PROXIMITY-BASED SYSTEMS, AND HOME AUTOMATION AS KEY ENABLERS*
Letizia Carrera

XI 08 *COMPARISON OF THE E-COMMERCE MARKETS IN SLOVAKIA AND BOSNIA AND HERZEGOVINA*
Branislav Dudić, Danijela Pantović, René Pawera, Jaroslav Vojtechovský, Nikola Žureková

XI 09 *THE IMPACT OF COMMUNITY MARKETING ON CRYPTOCURRENCY PERFORMANCE: EMPIRICAL INSIGHTS FROM ONLINE SEARCH ACTIVITY*
Marko Trišić, Ivan Lazović, Dejan Antanasković

XI 10 *CONSUMER PERCEPTION OF HEALTHY FOOD BRANDS WITH A FOCUS ON ORGANIC PRODUCTS*
Branislav Dudić

XI 11 *QUALITATIVE DATA ANALYSIS FOR AN STUDY OF WINE TOURISTS*
Danijela Pantović, Alexandra Mittelman, Jovana Davidović, Eleonóra Beňová, Branislav Dudic

XI 12 *THE EFFECTS OF DIGITAL TECHNOLOGIES ON LANGUAGE AND COMMUNICATION AMONG YOUTH IN MONTENEGRO*
Danijela Radojević, Velibor Spalevic

XI 13 *WOMEN IN BUSINESS IN THE 21ST CENTURY: CHALLENGES OF THE SOCIO-ECONOMIC TRANSITION IN SPECIFIC CONTEXTS*
Marija Ivaniš, Munira Šestić, Anes Hrnjić

XI 14 *EDUCATIONAL INNOVATIONS FOR INDUSTRY 4.0/5.0: PEDAGOGICAL PERSPECTIVES ON INTELLIGENT SYSTEMS AND EMERGING TECHNOLOGIES*
Izet Pehlić, Nermin Tufekčić

XI 15 *PRIORITY TYPES OF INDEPENDENT WORK FOR ENGINEERING STUDENTS IN THE DIGITAL EDUCATIONAL ENVIRONMENT: EVOLUTION, ANALYSIS AND PROSPECTS*
Tatyana Gordienko, Anna Mezentseva, Marina Stanojević, Ivana Marjanović

Student session (MSc & PhD Presentations)

XI 16 *A SYSTEMATIC REVIEW OF INVESTOR/CLIENT FACTORS CAUSING CONSTRUCTION DELAYS*
Emir Bračković, Sanin Džidić

XI 17 *WHICH TYPE OF EDUCATION SHAPES ENTREPRENEURIAL MINDSET? EVIDENCE FROM VET SCHOOLS IN BOSNIA AND HERZEGOVINA*
Admir Salihagic, Ermin Cero

Session/Sekcija XII: 09:00 - 11:30

Moderators: ***Mirha Bičo Ćar, Elvir Šahić, Elvir Čizmić***

Secretary: ***Amina Radončić***

XII 01 *REMOTE WORK PRODUCTIVITY AND ORGANIZATIONAL POLICIES: EMPLOYEE' PERCEPTIONS IN BOSNIA AND HERZEGOVINA*
Elvir Šahić, Munira Šestić, Anes Hrnjić, Delila Tucaković

XII 02 *FEMALE ENTREPRENEURS 4.0 IN BOSNIA AND HERZEGOVINA: IS 4IR AN OPPORTUNITY OR A THREAT?*
Munira Šestić, Elvir Čizmić, Zijada Rahimić, Azra Mujagić

XII 03 *ARTIFICIAL INTELLIGENCE IN HRM AND ORGANIZATIONAL LEARNING CULTURE: IMPACTS ON LEADERSHIP AND TEACHER PERFORMANCE*
Juhari Noor Faezah , Nurul Izzatty Ismail, Masrina Nadia Mohd Salleh, Noor Azlina Mohd Yusoff

XII 04 *EFFECTS OF DIGITALIZING CIVIL REGISTRY RECORDS IN THE FEDERATION OF BOSNIA AND HERZEGOVINA*
Enes Saletović, Muhamed Fetić, Đulaga Hadžić

XII 05 *MODEL FOR THE ASSESSMENT OF FINANCIAL REPORTING QUALITY IN CONTEMPORARY MANAGEMENT*
Haris Jahić Amela Piralić, Lejla Demirović

XII 06 *STATE-OWNED ENTERPRISES IN BOSNIA AND HERZEGOVINA: FOOTPRINT, PERFORMANCE AND FISCAL IMPACT*
Aida Soko, Mirza Kršo

XII 07 *DIGITAL TRANSFORMATION OF CAREER COUNSELING IN ALBANIA: AMELORA PLATFORM*
Valbona Habili Sauku, Fleura Shkëmbi, Ana Memo, Silva Ibrahimi

XII 08 *RISK SOCIETY AND TECHNOLOGY: THE TECHNOSPHERE – A SPHERE OF POSSIBILITIES AND RISKS/DRUŠTVO RIZIKA I TEHNOLOGIJA: TEHNOSFERA - SFERA MOGUĆNOSTI I RIZIKA*
Halima Sofradžija, Abdel Alibegović, Ajdin Sofradžija, Irena Praskač-Salčin, Nedreta Šerić

XII 09 *INNOVATIVE SOLUTIONS IN SHAPING THE ORGANISATIONAL STRUCTURE OF ENTERPRISE MANAGEMENT IN THE CONTEXT OF DIGITALISATION*
Liubov Niekrasova, Kateryna Zaichenko, Tetiana Nosova, Dmytro Ivashkin

XII 10 *ENTROPY ANALYSIS OF POLITICAL SYSTEMS IN AN EXPONENTIAL SOCIETY: A SOCIOLOGICAL-THERMODYNAMICAL APPROACH TO ASSESSING THE STABILITY OF PUBLIC ADMINISTRATION AND THE EFFICIENCY OF POLITICAL LEADERSHIP*
Kateryna Voloshina, Oksana Shelomovska, Ruslan Voloshin, Marina Stanojević, Jelena J. Stanković

XII 11 *ETHICS BY DESIGN: EMBEDDING MORAL RISK ASSESSMENT INTO MANAGEMENT PRODUCT ROADMAPS*
Aelita Mani, Arbi Agalliu

XII 12 *THE METHODS OF USER JOURNEY MAP DEVELOPMENT AND DEPLOYMENT WITH COST-BENEFIT EVALUATION*
Liubov Bovnegra, Snizhana Kutsyn, Marina Stanojević, Bojana Novićević Čečević

XII 13 *IMPACT OF GREEN FINANCE ON THE FOREIGN DIRECT INVESTMENTS IN THE EUROPEAN UNION*
Jasna Imamovic, Irfan Djedovic, Edin Djedovic, Naida Misimovic Custovic

XII 14 *RECONCEPTUALIZING SERVICE QUALITY IN RESOURCE-CONSTRAINED PUBLIC HEALTHCARE: A SERVQUAL PERSPECTIVE ON MALAYSIA*
Juhari Noor Faezah, Wazli Watisin, Nurul Izzatty Ismail, Masrina Nadia Mohd Salleh

XII 15 *BASIC PRINCIPLES OF MOTIVATION AS AN OBJECT OF MANAGEMENT INFLUENCE ON THE INNOVATIVE ACTIVITIES OF BUSINESS ENTITIES*
Svitlana Kolontai, Angelina Petrashevsk, Liubov Niekrasova, Anastasiia Dyskina, Ana Zivkovic

Student session (MSc & PhD Presentations)

XII 16 *OPPORTUNITIES AND CHALLENGES FOR BOSNIAN START-UPS IN THE GLOBAL CARBON OFFSET MARKET*
Selma Vejzagic, Adisa Omerbegovic- Arapovic, Malcolm Duerod, Sanel Halilbegovic

XII 17 *MEASURING PUBLIC ATTITUDES TOWARD PLANTING DROUGHT-RESISTANT LINDEN TREES: A LOCAL CLIMATE CHANGE INITIATIVE IN BOSNIA AND HERZEGOVINA*
Selma Vejzagic, Adisa Omerbegovic- Arapovic, Malcolm Duerod, Sanel Halilbegovic

DINNER FOR PARTICIPANTS „NT - 2026“
ZAJEDNIČKA VEČERA UČESNIKA „NT - 2026“

Restaurant „HOTEL EUROPE“



Friday/Petak, 26 June 2026 in 20:00

Dinner for participants
RESTAURANT
„HOTEL EUROPE“
St. Vladislava Skarića 5
SARAJEVO
Tel:+387 33 580-400

Zajednička večera učesnika
RESTORAN
„HOTEL EUROPE“
Ul. Vladislava Skarića 5
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Conference venue
"New Technologies NT-2026"
25th-27th June 2026
Academy of Sciences and Arts
of Bosnia and Herzegovina
St. Bistrik 7
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Održavanje konferencije
„Nove tehnologije NT-2026“
25-27. juna 2026.
Akademija nauka i umjetnosti
Bosne i Hercegovine
Bistrik 7
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THE VENUE OF THE CONFERENCE „NT - 2026“
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Academy of Sciences and Arts of Bosnia and Herzegovina

Saturday/Subota, 27 June 2026 in 12:00

Final Plenary Session 12th Conference „NT-2026“	***Završna plenarna sjednica 12. Konferencije „NT-2026“***

Conference venue "New Technologies NT-2026"	***Održavanje konferencije „Nove tehnologije NT-2026“***
25th-27th June 2026	*25-27. juna 2026.*
Academy of Sciences and Arts of Bosnia and Herzegovina	*Akademija nauka i umjetnosti Bosne i Hercegovine*
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Academy of Sciences and Arts of Bosnia and Herzegovina

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Tel.: + 387 33 560 700
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Conference venue
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