



University of Banja Luka
Faculty of Mechanical Engineering
Faculty of Electrical Engineering

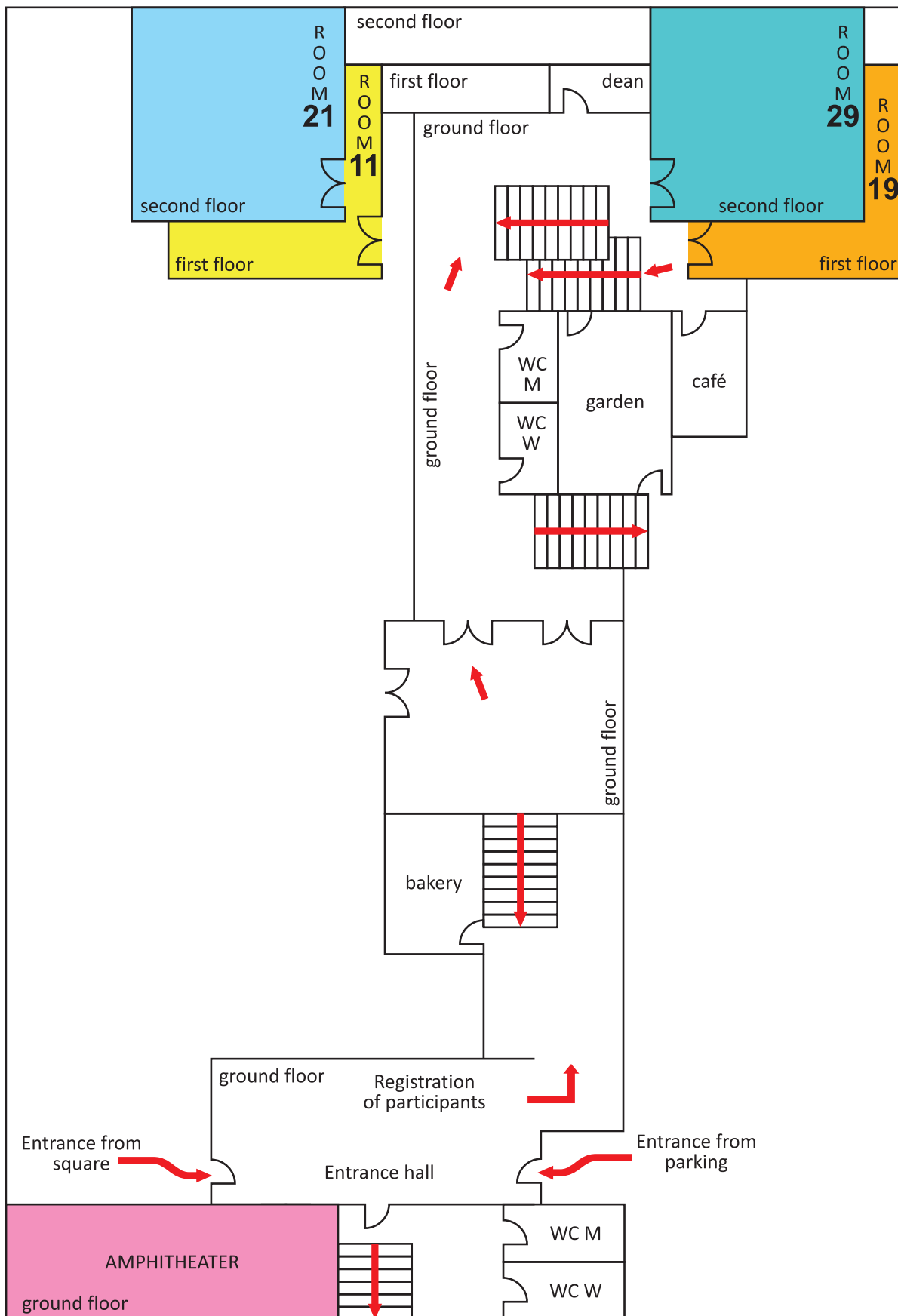


DEMI 2015

**12. International Conference on Accomplishments in
Electrical and Mechanical Engineering
and Information Technology**

CONFERENCE PROGRAM

Banja Luka, 29th - 30th May 2015



University of Banja Luka
Faculty of Mechanical Engineering
Faculty of Electrical Engineering

CONFERENCE PROGRAM
PROGRAM KONFERENCIJE

Banja Luka, May 2015

**12th INTERNATIONAL CONFERENCE ON ACCOMPLISHMENTS
IN ELECTRICAL AND MECHANICAL ENGINEERING AND
INFORMATION TECHNOLOGY**

DEMI 2015

Supported by:
MINISTRY OF SCIENCE AND TECHNOLOGY OF
THE REPUBLIC OF SRPSKA

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CONFERENCE PROGRAM

Friday, the 29th May

TIME	PLACE	ACTIVITY
9.00 – 10.00	Entrance hall	Registration of the participants
10.00 – 11.00	Amphitheatre	Conference Opening
11.00 - 13.00	Amphitheatre	Keynote Lectures:
		Simo Jokanovic, Bjorn Solvang, Trygve Thomessen, Gabor Sziebig INTEGRATION OF DISTRIBUTED PRODUCTION RESOURCES BY MEANS OF RTMIDDLEWARE AND VIRTUAL REALITY
		Dušan Gruden ENVIRONMENTAL PROTECTION IN AUTOMOTIVE INDUSTRY
		Radivoje Mitrovic, Milan Tica, Ivana Atanasovska, Predrag Popovic SCIENCE – GENERATOR OF INDUSTRIAL AND OVERALL DEVELOPMENT OF SERBIA AND REPUBLIC OF SRPSKA
11.00 - 13.00	Amphitheatre	Neven Duic SMART ENERGY SYSTEMS
13.00 – 14.00	Entrance hall	Welcome Coctail

15.00	Round table on the subject: "Experts in Teamwork at University in Banja Luka"	
16.00 – 18.00	Amphitheatre, Rooms 11, 19, 21 and 29	Work in Sections
18.00 – 20.00 Free Time		
20.00	Restaurant "STARA ADA" Gala Dinner Address: Veljka Mladenovića bb, Banja Luka	
Work in Sections - Friday, the 29th May		
16.00 – 18.00	Amphitheatre	Section A. PRODUCTION AND COMPUTER-AIDED TECHNOLOGIES
		Moderators: Milentije Stefanović Ostoja Miletić Janez Kopač
1.	Dušan Petković, Miloš Madić, Goran Radenković, Predrag Živković, Mladen Tomić HEAT EXCHANGERS MATERIALS SELECTION BY USING MCDM APPROACH	
2.	Elvis Hozdić EUROPEAN TECHNOLOGY PLATFORM FOR FACTORIES OF THE FUTURE	
3.	Marina Dojčinović, Milena Ćosić INFLUENCE OF ALLOYING ELEMENTS ON CAVITATION RESISTANCE OF QUENCHED AND TEMPERED CARBON STEEL	

4.	Milena Ćosić, Marina Dojčinović, MICROSTRUCTURE OF AlSi18CuMg ALLOY PRODUCED BY RHEOCASTING PROCESS
5.	Miloš Madić, Miroslav Radovanović, Srđan Mladenović, Dušan Petković, Predrag Janković AN EXPERIMENTAL INVESTIGATION OF KERF WIDTH IN CO2 LASER CUTTING OF ALUMINUM ALLOY
6.	Todic Mladen, Miletic Ostoja ZONE OF DEFORMATION AT MULTI-LAYER MATERIALS
7.	Predrag Živković, PARAMETRIC MODELING OF GEOMETRY SHAPES OF GEAR TEETH BY USING CAD SOFTWARE
8.	Dragana Temeljkovski, Stojanče Nusev, Climent Ohridski, Dragan Temeljkovski STONE IN THE WORLD OF ARCHITECTURE AND DESIGN – REENGINEERING STONE PROCESSING
9.	Milentije Stefanović, Dragan Adamović, Zvonko Gulišija, Srbislav Aleksandrović, Vesna Mandić, Milan Milovanović LIMITATIONS OF PHYSICAL TRIBO-MODELING IN METAL FORMING PROCESSES
10.	Petar S. Đekić, Goran Radenković, Biljana Milutinović IMPROVEMENT OF THE PROPERTIES OF GROUND TIRE RUBBER BY MECHANOCHEMICAL MODIFICATION AND APPLICATION IN SRB/NR BLENDS
11.	Vujadin Aleksić, Bojana Aleksić, Dejan Momčilović, Ljubica Milović, Aleksandar Sedmak NON-DESTRUCTIVE TESTING OF PRESSURE VESSELS – APPLICATION OF SolidWorks
12.	Dejan Lukić, Velimir Todić, Mijodrag Milošević, Goran Jovičić, Jovan Vukman, Mića Đurđev COST ESTIMATION AS ASPECT OF DESIGN FOR MANUFACTURING-DfM
13.	Goran Jovičić, Mijodrag Milošević, Dejan Lukić, Jovan Vukman, Mića Đurđev APPLICATION OF MULTI-AGENT SYSTEMS WITHIN THE CONCEPT OF DISTRIBUTED INTELLIGENT PRODUCTION
14.	Aleksandar Vujović, Zdravko Krivokapić, Jelena Jovanović, Gordan Kijanović POSSIBILITY OF APPLICATION OF THE INTELLIGENT AGENT-BASED SYSTEM IN THE WOOD INDUSTRY
15.	Milan Šljivić, Nenad Grujović, Ana Pavlović, Cristiano Fragassa, Jovica Ilić, Mirko Topić DEVELOPING PROFILES FROM WOOD-PLASTIC COMPOSITES

16.00 – 18.00	Room 11	Section B. ENERGETICS AND THERMAL ENGINEERING
		Moderators: Mladen Tomić Filip Mojsovski Dragan Cvetković
1.	Cvete Dimitrieska, Igor Andreevski, Sanja P. Vasilevska, Sevde Stavreva NUMERICAL SOLUTION OF MATHEMATICAL MODEL FOR FLUID FLOW AND HEAT TRANSFER PROCESSES IN PLATE EXCHANGER BASE ON STREAMLINE – VORTEX METHOD	
2.	Dragan Cvetković, Milorad Bojić, Dragan Taranović, Jasmina Skerlić EXPERIMENTAL INVESTIGATION OF HEAT FLUX AT THE PANEL HEATING SYSTEMS	
3.	Dragana Dimitrijević, Mladen Tomić, Predrag Živković, Mladen Stojiljković, Mirko Dobrnjac THERMAL CHARACTERISTICS AND POTENTIAL FOR RETROFIT BY USING GREEN VEGETATED ROOFS	
4.	Filip Mojsovski ENTERING AIR STATE INFLUENCE ON THERMAL PERFORMANCE OF HYPERBOLIC COOLING TOWER	
5.	Miloš Simonović, Vlastimir Nikolić, Ivan Ćirić, Emina Petrović RECURRENT NEURAL NETWORK SHORT-TERM PREDICTION OF DISTRICT HEATING SYSTEM IN TRANSIENT REGIMES	
6.	Mladen Tomić, Predrag Živković, Mića Vukić, Mirko Dobrnjac, Dragana Dimitrijević A NUMERICAL STUDY OF PERFORATED PLATE LOCAL HEAT TRANSFER COEFFICIENT	
7.	Mladen Tomić, Mića Vukić, Predrag Živković, Žana Stevanović, Ivan Ćirić EXPERIMENTAL INVESTIGATION OF THERMAL AND FLUID FLOW PROCESSES IN A PERFORATED PLATE HEAT EXCHANGER	
8.	Predrag Živković HEAT BALANCE OF LOSSES IN PLANETARY GEAR DRIVES	
9.	Saša Pavlović, Velimir Stefanović, Marko Mančić, Zivan Spasic DEVELOPMENT OF MATHEMATICAL MODEL OF OFFSET TYPE SOLAR PARABOLIC CONCENTRATING COLLECTOR	
10.	Predrag Živković, Mladen Tomić, Dušan Petković, Ivan Ćirić, Žana Stevanović, Dragana Dimitrijević, Sanja Dobrnjac, Milica Ćirić POSSIBILITIES OF WIND ENERGY USAGE IN THE SKI CENTER KOPAONIK	

16.00 – 18.00	Room 19	Section C. MECHANICS AND DESIGN
		Moderators: Predrag Popović Živko Babić Aleksandar Miltenović
1.	Filip Zdraveski, Dimitri Kozinakov ANALYSIS OF POINT SUPPORTED-GLASS WALL SYSTEM UNDER WIND LOAD	
2.	Filip Zdraveski, Hristijan Mickoski APPLICATION OF SIMILITUDE LAWS FOR EXPERIMENTAL INVESTIGATIONS OF DYNAMIC PROPERTIES OF TALL PROTOTYPE STEEL STRUCTURE	
3.	Filip Zdraveski, Elisaveta Donceva MATHEMATICAL MODEL OF DYNAMIC VIBRATION ABSORBERRESPONSE PREDICTION AND REDUCTION	
4.	Đorđe Miltenović, Milan Tica, Aleksandar Miltenović, Milan Banić LOAD CAPACITY OF WORM GEARS WITH COMPACT DESIGN	
5.	Luka Panić, Atif Hodžić, Ekrem Nezirević MODERN AND SOPHISTICATED PROCESSES OF 3D VENEER PLYWOOD BENDING	
6.	Stevan Maksimović, Mirjana Đurić, Mirko Maksimović, Ivana Vasović FATIGUE LIFE ESTIMATION OF AIRCRAFT STRUCTURAL COMPONENTS WITH SURFACE CRACKS UNDER LOAD SPECTRUM	
7.	Darko Knežević, Saša Laloš, Mitar Jocanović, Velibor Karanović EFFECT OF BULK MODULUS OF FLUID ON THE DYNAMIC BEHAVIOR OF THE HYDRAULIC SYSTEM	
8.	Nikola Vučetić, Aleksija Đurić, Miroslav Milutinović EXPERIMENTAL DETERMINATION OF SLIDING BEARING OPERATING TEMPERATURE	
9.	Slobodanka Boljanović, Stevan Maksimović, Dragi Stamenković FATIGUE STRENGTH SIMULATION OF AIRCRAFT LUG	
10.	Slobodanka Boljanović, Stevan Maksimović, Strain Posavljak RESIDUAL LIFE EVALUATION OF A THREADED ROUND BAR WITH SURFACE CRACK UNDER CYCLIC LOADING	
11.	Nenad Miloradović, Rodoljub Vujanac ANALYSIS OF OVERHEAD TRAVELLING CRANE'S MOTION IN HORIZONTAL PLANE	

12.	Rodoljub Vujanac, Nenad Miloradovic, Snezana Vulovic DYNAMIC STORAGE SYSTEMS	
13.	Vladimir Čavić, Mirko Dobrnjac, Milan Lečić, Jela Burazer MOGUĆNOSTI PRIMJENE VAKUUMSKOG PNEUMATSKOG TRANSPORTA U PIVARAMA	
14.	Zoran Majkić ATTACHMENT RESEARCH JUDGEMENTS INDICATORS FOR COMFORT MANAGEMENT OF TRANSPORTATION VEHICLES	
16.00 – 18.00	Room 21	Section D. MECHATRONICS AND INFORMATION TECHNOLOGY
		Moderators: Novak Nedić Mihajlo Stojčić Zoran Đurić
1.	Muhanad D. Almawlawe, Darko Mitic, Marko Milojkovic THE ADVANTAGE OF USING DIGITAL QUASI-SLIDING MODE IN COMPARISON WITH ANALOGUE PID SLIDING MODE CONTROLLER	
2.	Petar D. Mandić, Mihailo P. Lazarević, Tomislav B. Šekara CONTROL OF THE CART PENDULUM SYSTEM BY USING A FRACTIONAL ORDER PD CONTROLLER	
3.	Vladimir Savic, Jelena Eric Obucina, Darko Knezevic, Andrea Ivanisevic, Boban Balovic, Sanjin Kizic TECHNICAL-ECONOMIC VIEW OF THE REPLACEMENT OF PUMPS WITH VARIABLE VOLUME PUMPS A CONSTANT VOLUME OF THE FREQUENCY CONVERTER	
4.	Jelena Živković, Dragan Adamović, Miroslav Živković, Milentije Stefanović, Slobodan Mitrović, Fatima Živić ELECTRONIC DATABASES FOR MATERIALS SELECTION	
5.	Ivan Ćirić, Žarko Čojbašić, Vlastimir Nikolić, Milica Ćirić, Mladen Tomić, Emina Petrović, Miloš Simonović NEURAL NETWORK PREDICTION OF PERSON POSITION FOR HUMAN FOLLOWING MOBILE ROBOT PLATFORM	
6.	Ivan Ćirić, Žarko Čojbašić, Vlastimir Nikolić, Milica Ćirić, Predrag Živković, Ivan Pavlović, Emina Petrović INTELLIGENT CONTROL OF MOBILE ROBOT FOR OBJECT RECOGNITION AND GRASPING	
7.	Dragan Pršić, Novak Nedić, Ljubiša Dubonjić, MASS FLOW RATE CHARACTERISTIC OF THE FLAPPER-NOZZLE PNEUMATIC VALVE	

16.00 – 18.00	Room 29	Section E. AUTOMOTIVE AND TRAFFIC ENGINEERING
		Moderators: Dobrivoje Ninković Aleksandar Milašinović
1.	Dobrivoje Ninković THE USE OF PARAMETRIC SPECTRAL ESTIMATION FOR EXTRACTING ANGULAR VELOCITY VARIATIONS FROM THE EXHAUST PRESSURE PULSATIONS IN IC ENGINES	
2.	Velimir Petrović, Branka Grozdanić, Zlata Bracanovic, Stojan Petrović THE PROBLEM OF REAL DRIVING EMISSIONS CONTROL	
3.	Slobodan Mišanović, Zlatomir Živanović ANALYSIS OF RENEWAL BUS FLEET GSP “BEOGRAD” FROM THE ENVIRONMENTAL AND ENERGY ASPECTS	
4.	Aleksandar Milašinović, Indir Mujanić, Željko Bulatović, Željko Đurić OUTPUT TORQUE OF THE FLYWHEEL OF THE IC ENGINE VARIATIONS DURING AN ENGINE CYCLE	
5.	Branislav Aleksandrović, Rajko Radonjić, Aleksandra Janković RESEARCHING ABOUT BEHAVIOUR OF CYBERNETIC SYSTEM, DRIVER – MOTORCYCLE AT LIMITED REGIMES MOVEMENT	
6.	Danijela Miloradović, Rajko Radonjić, Jasna Glišović APPLICATION OF VERTICAL ACCELERATION RECORDS ACQUIRED AT THE CENTRES OF THE VEHICLE WHEELS	
7.	Jasna Glišović, Jovanka Lukić, Danijela Miloradović, Slavica Mačužić TRENDS IN THE DEVELOPMENT OF BRAKE SYSTEMS OF THE AGRICULTURAL TRACTORS AND TRAILERS	
8.	Jovan Dorić, Atila Kovač, Nebojša Nikolić, Stjepan Galamboš, Ivan Klinar IMPROVING PERFORMANCE OF SPARK IGNITION ENGINE USING VARIABLE LENGTH INTAKE MANIFOLD	
9.	Jovanka Lukić, Jasna Glišović, Danijela Miloradović, Slavica Mačužić METHOD OF DISK BRAKE NOISE ASSESSMENT	
10.	Melisa Kustura, Aleksandra Kostic A MODEL OF ACC – ADAPTIVE CRUISE CONTROL	

Work in Sections - Saturday, the 30th May

9.00 – 12.00	Amphitheatre	Section A. PRODUCTION AND COMPUTER-AIDED TECHNOLOGIES
		Moderators: Bogdan Nedić Gordana Lakić Globočki Mijodrag Milošević
1.		Said Pašalić, Milan Jurković, Mladen Todić MOVEMENT AND MOVING SPEED EDGE OF THE CORNICE CIRCLES BLANK OF THE WORKPIECE IN DEEP DRAWING
2.		Miloš Madić, Miroslav Radovanović, Dušan Petković, Predrag Janković, Miloš Milošević PREDICTION OF SURFACE ROUGHNESS USING REGRESSION AND ANN MODELS IN CO2 LASER CUTTING OF MILD STEEL
3.		Dragoslav Dobraš, Nenad Bukejlović HARDOX 450 – ATTACHMENT ASSESSMENT OF WELDABILITY
4.		Dragoslav Dobraš, Ismar Hajro SPECIFICS OF THE TRAINING AND CERTIFICATION OF WELDERS FOR ALUMINOTHERMIC WELDING PROCESS
5.		Velibor Karanović, Mitar Jocanović, Saša Laloš, Bojan Knežević OIL CLEANLINESS CLASS INFLUENCE ON WEAR INTENSITY OF PISTONCYLINDER CONTACT PAIR INSIDE OF HYDRAULIC DISTRIBUTIONAL VALVE
6.		Tomaz Irgolic, Franc Cus, Janez Kopač CUTTING FORCE PREDICTION BY MILLING GRADED MATERIAL
7.		Ranko Radonjic, Mathias Liewald, Fei Han INFLUENCE OF BLANK HOLDER STIFFNESS ON PART SURFACE QUALITY IN DEEP DRAWING PROCESS
8.		Bekir Novkinić, Vladimir Kočović, Marija Jeremić, Dragomir Miljuš PROBLEMS OF CLAMPING FIXTURES COMPLIANCE DURING THE MACHINING OF THE WORKPIECE ON THE MULTI-AXIAL MILLING MACHINE TOOL

9.	Aleksandar Košarac, Milan Zeljković, Cvijetin Mladenović, Aleksandar Živković MODAL ANALYSIS OF A HORIZONTAL MACHINING CENTER
10.	Aleksandar Zivkovic, Milan Zeljkovic, Cvijetin Mladjenovic MATHEMATICAL MODEL FOR STIFFNESS DETERMINATION OF BALL BEARINGS WITH ANGULAR CONTACT 33
11.	Bogdan Nedić, Marko Janković, Milan Erić, Gordana G. Lakić, Branislav Sredanović SPECIFICS OF THE DESIGN FOR CNC PLASMA CUTTING
12.	Živko Babić, Rodoljub Lekanić THE IMPACT OF TOOL DESIGN ON PHARMACEUTICAL BLISTER PACKAGING
13.	Saša Živanović, Branko Kokotović CONFIGURING A VIRTUAL DESKTOP 5-AXIS MACHINE TOOL FOR MACHINE SIMULATION
14.	Mario Močić, Sanja Dobrnjac DEDUSTING OF DUST POLYURETHANE IN THE PROCESS OF PRODUCTION ORTHOPEDIC AIDS
15.	Ostoja Miletic, Mladen Todic STRESS-STRAIN STATE IN PROFILING ANISOTROPIC STRIPS
16.	Nenad Grujović, Miroslav Živković, Fatima Živić, Andreja Radovanović, Miloš Mladenović, Milan Šljivić COST OPTIMIZATION OF ADDITIVE MANUFACTURING IN WOOD INDUSTRY
17.	Nenad Miloradović, Slobodan Mitrović, Blaža Stojanović WEAR OF ZA27/10SiC/1GR HYBRID COMPOSITE
18.	Branislav Sredanović, Gordana Globočki - Lakić, Davorin Kramar, Janez Kopač MODELLING OF TOOL WEAR IN TURNING OF BEARING STEEL USING CARBIDE TOOL AND HPJAM TECHNIQUE
19.	Zvonko Gulišija, Marija Mihailović, Aleksandra Patarić THE STRUCTURE-PROPERTIES CORRELATION OF NICKEL BASED SUPERALLOYS IN DESIGNING THE TECHNOLOGY FOR TURBINE BLADES PROCESSING
20.	Zvonko Gulišija, Aleksandra Patarić, Marija Mihailović, Milentije Stefanović DESIGNING THE HIGH QUALITY AL-ALLOYS OBTAINED WITH ELECTROMAGNETIC FIELD FOR HOT FORGING PROCESS
21.	Jure Bernetič, Gorazd Kosec, Matjaž Marčetič, Borut Kosec, Aleš Nagode, Mirko Gojić, Zijah Burzić ARMOURED STEEL PLATE OF NEW GENERATION

9.00 – 12.00	Room 11	Section B. ENERGETICS AND THERMAL ENGINEERING
		Moderators: Petar Gvero Danijela Nikolić Vujadin Aleksić
1.	Vladimir V. Jovanović, Nebojša Manić, Dragoslava D. Stojiljković, Pavle Hadžić PRODUCTION OF BIODIESEL IN A BATCH REACTOR BY ALKALINE TRANSESTERIFICATION AT ROOM TEMPERATURE	
2.	Ivan Komusanac, Boris Ćosić, Luka Perković, Neven Duić EXPERIENCE WITH SOLAR-DRIVEN LiBr/H ₂ O ABSORPTION COOLING SYSTEM IN VODOVOD DUBROVNIK D.O.O.	
3.	Vesna Ranković, Milorad Bojić, Jasna Radulović, Danijela Nikolić, Jasmina Skerlić MODELING OF THE BUILDING THERMAL BEHAVIOUR USING NONLINEAR SYSTEM IDENTIFICATION	
4.	Sadoon Ayed, Miloš Jovanović, Mladen Tomić, Gradimir Ilić, Predrag Živković, Mića Vukić, Mirko Dobrnjac INSTABILITY OF RAYLEIGH-BERNARD CONVECTION AFFECTED BY INCLINED WALL TEMPERATURE VARIATION	
5.	Ratka Neshkovska ELECTROCHROMIC COPPER(I) OXIDE THIN FILM AS A CANDIDATE FOR SMART WINDOW	
6.	Milorad Bojic, Jasna Radulovic, Vesna Rankovic, Danijela Nikolić, Ljubisa Bojic, Jasmina Skerlic FLEXIBLE THIN-FILM SOLAR PHOTOVOLTAICS: RESEARCH AND APPLICATION	
7.	Vujadin Aleksić, Dejan Momčilović, Bojana Aleksić, Ljubica Milović, Aleksandar Sedmak ANALYSIS OF THE STEAM LINE DAMAGES	
8.	Danijela Nikolić, Milorad Bojic, Jasna Radulovic, Jasmina Skerlic, Saša Jovanović ENERGY OPTIMIZATION OF SERBIAN BUILDINGS WITH PV PANELS AND DISTRICT HEATING SYSTEM	
9.	Sevde Stavreva, Cvete Dimitrieska, Igor Andreevski, Sanja P. Vasilevska, Elizabeta Hristovska IMPROVING ENERGY EFFICIENCY OF DATA CENTRES	
10.	Mila Mihajilović, Vanja Šušteršič, Gordana Bogdanović LEED TECHNOLOGY IN URBAN PLANNING	

9.00 – 12.00	Room 29	Section E. AUTOMOTIVE AND TRAFFIC ENGINEERING
		Moderators: Snežana Petković Tomić Miroljub Velimir Petrović
1.	Milan Milovanović, Zoran Jovanović, Milentije Stefanović ANALYSIS OF THE EFFECTS OF NEW MATERIALS APPLICATION ON CAR BODIES	
2.	Stojko Biočanin, Željko Bulatović, Aleksandar Milašinović, Indir Mujanić, Ranko Božičković CRANKSHAFT ANGULAR VELOCITY OF A TEN-CYLINDER DIESEL ENGINE AS A DIAGNOSTICS PARAMETER	
3.	Stojko Biočanin, Željko Bulatović, Aleksandar Milašinović, Indir Mujanić, Ranko Božičković ENGINE MISFIRE IDENTIFICATION BY MONITORING EXHAUST PRESSURE AND TEMPERATURE PULSATION IN THE EXHAUST MANIFOLDS	
4.	Saša Milojević, Radivoje Pešić APPLICATION OF BIOMETHANE IN PROPULSION AND MOBILE SYSTEMS	
5.	Stjepan Galamboš, Jovan Dorić DESIGN AND ANALYSIS OF CAR BODY USING CFD SOFTWARE	
6.	Aleksandar Davinić, Radivoje Pešić, Dragan Taranović, Saša Milojević THE USE OF MODERN FUELS IN DIESEL ENGINES OF THE OLDER GENERATION	
7.	Dušan Petković, Miloš Madić, Goran Radenković, Miloš Milošević APPLICATION OF MCDM METHODES FOR AUTOMOBILE'S BUMPER MATERIAL SELECTION	
8.	Nebojša Nikolić, Ivan Klinar, Jovan Dorić, Nenad Raspopović INFLUENCE OF THE FAULTY MAP SENSOR ON SOME OPERATION PARAMETERS OF AN AUTOMOBILE SPARK-IGNITION ENGINE	
9.	Petković Snežana, Hnatko Emil, Stefanović Radmilo, Veinović Stevan ENVIRONMENTAL ASSESSMENT OF BIO RESOURCES AND RENEWABLE/RECURRENT ENERGY SOURCES IN AGRICULTURE	
10.	Saša Milojević, Radivoje Pešić, Aleksandar Davinić, Dragan Taranović COATED AL PISTON AS TECHNOLOGICAL SOLUTION TO LOWERING OF FRICTION LOSSES INSIDE IC ENGINE	

9.00 – 12.00	Room 19	Section F. QUALITY AND ECOLOGY
		Moderators: Mirko Soković Zorana Tanasić Borut Kosec
1.	Biljana Milutinović, Gordana Stefanović, Ksenija Denčić-Mihajlov, Petar Djekić ECONOMIC INDICATORS OF WASTE-TO-ENERGY TREATMENT	
2.	Borut Kosec, Blaž Karpe, Aleš Nagode, Dragan Gogić, Gorazd Kosec, Igor Budak, Zorana Tanasić, Goran Janjić, Miroslav Bobrek, Mirko Soković LCA METHOD AS AN USEFUL TOOL IN PRODUCTION ENGINEERING	
3.	Srdjan Pelkic, Stevan Salatic, Radivojka Vucnic THE CAPACITY OF MUNICIPALITY NEVESINJE IN DEVELOPING WOODPROCESING INDUSTRIES	
4.	Zorana Tanasić, Borut Kosec, Goran Janjić, Mirko Soković, Goran Jotić INTEGRATING LEAN AND GREEN INTO A HOLISTIC PRODUCTION SYSTEM	
5.	Miroslav Bobrek, Jugoslav Tepić, Duška Radmanović QUALITY ASSURANCE INSTRUMENTS IN HIGHER EDUCATION SYSTEM OF REPUBLIKA SRPSKA	
6.	Miloš Madić, Marko Kovačević, Miroslav Radovanović POSSIBILITIES OF USING DISCRETE MONTE CARLO METHOD FOR SOLVING MACHINING OPTIMIZATION PROBLEMS	
7.	Željko Pavićević, Leonid Albijanic INTELLIGENT INVESTMENTS MANAGEMENT; TRANSITION U-TURN	
8.	Nataša Đalić, Irena Đalić THE IMPACT OF INFORMATION SYSTEMS ON IMPROVEMENT OF BUSINESS ACTIVITIES IN MANUFACTURING ENTERPRISES	
9.	Marko Serafimov, Sevde Stavreva, Igor Shesho COST – OPTIMAL METHODOLOGY	

9.00 – 12.00	Room 21	Section F. MAINTENANCE OF ENGINEERING SYSTEMS AND OCCUPATIONAL SAFETY ENGINEERING
		Moderators: Zdravko Milovanović Mladen Todić Dragan Milčić
1.	Mladen Todić, S. Petkovic, B. Milinovic HARMFULNESS OF EXHAUSTED SYSTEM MOTOR SUS IN CONFINED SPACE	
2.	Mitar Jocanović, Velibor Karanović, Darko Knežević, Marko Orošnjak MODEL FOR MONITORING OF THE PHYSICAL AND CHEMICAL CHARACTERISTICS OF THE OIL FILLING IN HYDRAULIC SYSTEMS	
3.	Biljana Vranješ, Zorana Tanasić DETERMINING THE CAUSE OF ACCIDENTS AT WORK – ROOT CAUSE ANALYSIS	
4.	Dejan Brankovic, Boris Latinovic, Zdravko N. Milovanovic THE OPTIMIZATION OF THE PAPER MACHINE DEWATERING PROCESS BY USING THE NEW POLYURETHANE SUCTION PRESS ROLL COVER	
5.	Dragan Milčić, Erdinč Rakipovski, Tasko Smileski, Miodrag Milčić RELIABILITY ANALYSIS OF DISTRIBUTOR VALVE OF THE AIR BRAKE SYSTEM	
6.	Dragoljub Vujić STRUCTURAL HEALTH MONITORING TECHNOLOGIES AND APPLICATIONS IN AIRCRAFT STRUCTURES	
7.	Aleksandar Majstorović THERMAL IMAGES AND THEIR APPLIANCE IN THE FIRE UNITS	
12.00	Amphitheatre	CLOSING OF THE CONFERENCE
		Report of the conference
		Round table:"Modes of links and cooperation between university and industry"
		End of Conference
THE END		



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