

COMET_a 2022

6th INTERNATIONAL SCIENTIFIC CONFERENCE

17th - 19th November 2022

Jahorina, B&H, Republic of Srpska



University of East Sarajevo

Faculty of Mechanical Engineering

Conference on Mechanical Engineering Technologies and Applications

CONFERENCE PROGRAM COMET_a 2022

17th – 19th November 2022.
East Sarajevo – Jahorina, B&H, RS
Hotel Rajska dolina

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ГАЦКО



РУДНИК И ТЕРМОЕЛЕКТРАНА УГЉЕВИК



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November 17, 2022 (Thursday)

- 09:00 – 10:30 - Registration
- 10:30 – 11:30 - Opening Conference
- 11:30 – 12:00 - Welcome Cocktail
- 12:00 – 14:00 - Plenary Session
- 14:30 – 16:00 - Lunch
- 16:30 – 18:00 - Technical Session I-1 (Conference Room No. 1)
Manufacturing technologies and advanced materials
- 16:30 – 18:00 - Technical Session II (Conference Room No. 3)
Applied mechanics and mechatronics
- 16:30 – 18:00 - Technical Session III-1 (Conference Room No. 2)
Product development and mechanical systems
- 20:00 - Dinner

November 18, 2022 (Friday)

- 09:00 – 10:00 - Registration
- 10:00 – 11:30 - Technical Session I-2 (Conference Room No. 1)
Manufacturing technologies and advanced materials
- 10:00 – 11:30 - Technical Session III-2 (Conference Room No. 2)
Product development and mechanical systems
- 10:00 – 11:30 - Technical Session IV (Conference Room No. 3)
Renewable energy and environmental protection
- 11:30 – 11:45 - Coffee Break
- 11:45 – 12:25 - Presentation of company - TRB - Technical Overhaul
Bratunac (Conference Room No. 1)
- 12:30 – 14:00 - Technical Session V (Conference Room No. 1)
Quality, management, organization and maintenance
- 12:30 – 14:00 - Technical Session VI (Conference Room No. 2)
Student section
- 12:30 – 14:00 - Technical Session VII
Poster Session (Conference Room No. 3)
- 14:30 – 16:00 - Lunch
- 15:30 - Free activities
- 20:00 - Gala Dinner

November 19, 2022 (Saturday)

- 10:00 - Free activities – Visit to Sarajevo

PLENARY LECTURES

1. **Alkiviadis Tsamis**, University of Western Macedonia, Kozani, Greece
MICROSTRUCTURE-BASED ENGINEERING OF SOFT BIOLOGICAL MATERIALS
2. **Milan Zdravković**, University of Niš, Faculty of Mechanical Engineering, Niš, Serbia
AI-ENABLED ENTERPRISE INFORMATION SYSTEMS FOR MANUFACTURING
3. **Tomaz Vuherer**, University of Maribor, Faculty of Mechanical Engineering, Maribor, Slovenia
DIFFERENT WAYS FOR HAZ MICROSTRUCTURE PREPARATION AND TESTING ON HIGH ALLOY STEEL
4. **Sanjin Troha**, University of Rijeka, Faculty of Engineering, Rijeka, Croatia
Željko Vrcan, University of Rijeka, Faculty of Engineering, Rijeka, Croatia
Milan Tica, University of Banja Luka, Faculty of Mechanical Engineering, Banja Luka, Bosnia and Herzegovina
Miroslav Milutinović, University of East Sarajevo, Faculty of Mechanical Engineering, Banja Luka, Bosnia and Herzegovina
POSSIBILITIES FOR THE APPLICATION OF REVERSIBLE PLANETARY TWO-SPEED GEARBOXES

Session I-1: MANUFACTURING TECHNOLOGIES AND ADVANCED MATERIALS

Chairpersons: Milan Zeljković, Mladimir Milutinović, Saša Živanović

1. **Panagiotis Chatzivasvas, Stefanos Gerardis, Alkiviadis Tsamis**
INVESTIGATING MECHANICAL RESPONSE AND COLLAGEN STRUCTURE IN THE INTESTINAL WALL
2. **Saša Živanović, Goran Vasilic, Branko Kokotović, Nikola Vorkapić, Zoran Dimić, Nikola Savković**
CONFIGURING AND VERIFICATION OF A RECONFIGURABLE MACHINE WITH HYBRID KINEMATICS MOMA V3
3. **Slobodan Tabaković, Saša Živanović**
COLLABORATIVE ROBOTS IN MACHINING TASKS APPLICATION AND PROGRAMMING
4. **Nemanja Dačević, Marko Vilotić, Mladimir Milutinović, Luka Sevšek, Ljiljana Stefanović, Dragiša Vilotić**
NUMERICAL ANALYSIS OF PLANE STRAIN MULTI-DIRECTIONAL UPSETTING OF PRISMATIC SAMPLES
5. **Elisaveta Doncheva, Aleksandra Krstevska**
AN OVERVIEW OF ADVANCED JOINING TECHNIQUES FOR POLYMER AND COMPOSITE MATERIALS
6. **Aleksandar Vencel, Blaža Stojanović, Slavica Miladinović, Damjan Klobčar**
PREDICTION OF THE WEAR CHARACTERISTICS OF ZA-27/SiC NANOCOMPOSITES USING THE ARTIFICIAL NEURAL NETWORK

7. **Miloš Pjević, Mihajlo Popović, Mladimir Milutinović, Dejan Movrin, Ljiljana Stefanović**
EXPERIMENTAL EXAMINATION OF THE APPLICABILITY OF ADDITIVE TECHNOLOGIES IN THE FIELD OF RAPID TOOLING - INJECTION MOLDING
8. **Miloš Pjević, Mihajlo Popović, Radovan Puzović**
CORRELATION BETWEEN MICRO-CUTTING AND STATIC INDENTATION
9. **Uros Zuperl, Miha Kovačič**
AN INTELLIGENT ROBOTIC CELLS WITH TRANSPORT SYSTEM FOR FULLY AUTOMATED CUTTING TOOL ASSEMBLY
10. **Uros Zuperl, Goran Mundař**
PLATFORM FOR TOOL WEAR MONITORING VIA CUTTING FORCE CONTROL
11. **Goran Mundař, Uroš Źuperl**
DEVELOPMENT AND CONTROL OF A VIRTUAL INDUSTRIAL SORTING PROCESS

November 17, 2022 (Thursday) (Conference Room No.3, 16:30 – 18:00)

Session II: APPLIED MECHANICS AND MECHATRONICS

Chairpersons: Branimir Krstić, Novak Nedić, Nebojša Radić

1. **Goran Šiniković, Nenad Gubelj, Emil Veg, Ivan Milanković, Mladen Regodić**
DESIGN OF THE MECHATRONIC SYSTEM FOR ACCESS CONTROL TO PROTECTED AREAS OF PRODUCTION LINES
2. **Isak Karabegović, Raul Turmanidže, Predrag Dašić**
ANALYSIS OF PATENT TRENDS FROM INDUSTRY 4.0 AND THE IMPLEMENTATION OF ROBOT TECHNOLOGY IN THE COUNTRIES OF CHINA, USA, JAPAN, REPUBLIC OF KOREA AND GERMANY
3. **Branimir Krstić, Lamine Rebhi, Younes Djemaoune, Mirko Dinulović**
FINITE ELEMENT ANALYSIS OF HELICOPTER AEROSPATIALE GAZELLE SA 341H SKID LANDING GEAR DURING NORMAL LANDING USING STATIC LOAD APPROXIMATION
4. **Dragan Rakić, Miroslav Źivković, Milan Bojović, Slobodan Radovanović, Aleksandar Bodić, Nikola Milivojević, Dejan Divac**
STABILITY ANALYSIS OF CONCRETE ARCH DAM USING FINITE ELEMENT METHOD
5. **Jelena Erić Obućina, Stevan Stankovski, Gordana Ostojić**
SPEED CONTROL OF AC MOTOR IN HYDRAULIC SYSTEM BY USING U/f CONTROL METHOD IN MATLAB SIMULINK
6. **Vule Reljić, Đorđe Dostanić, Slobodan Dudić, Jovan Šulc, Ivana Milenković, Vladimir Jurošević**
REMOTELY-CONTROLLED ONE-WAY FLOW CONTROL VALVE – THE FINAL VERSION OF THE PROTOTYPE
7. **Janani Rajaraman, Saša Prodanović, Ljubiša Dubonjić**
DESIGN OF FRACTIONAL - ORDER PI CONTROLLER FOR MULTIVARIABLE PROCESS
8. **Nikola Vućetić, Gordana Jovičić, Ranko Antunović, Vladimir Milovanović, Branimir Krstić, Dejan Jeremić**
TESTING OF THE FATIGUE PROPERTIES OF ALUMINUM ALLOY 242.0 WITH THE PURPOSE OF THE INTEGRITY ASSESSMENT OF AN AIRCRAFT CYLINDER ASSEMBLY WITH A CRACK

9. **Jelena Živković, Vladimir Dunić, Vladimir Milovanović, Miroslav Živković**
PHASE-FIELD MODELING OF DAMAGE IN ALUMINUM ALLOY
10. **Rade Vasiljević**
CONTROL AND AUTOMATION OF THE LIFTS: BASIC TECHNOLOGY AND NEW ACHIEVEMENTS
11. **Zorana Mandić, Slobodan Lubura, Nikola Kukrić**
MODULAR MECHATRONIC SYSTEMS WITH AN INDUSTRIAL-ORIENTED APPROACH
12. **Milan Simović, Slobodan Lubura**
PROGRAMMING THE OPERATOR PANEL FOR CONTROL AND MONITORING THE OPERATION OF PUMPING STATIONS USING THE WINCC (TIA PORTAL) SOFTWARE PACKAGE

November 17, 2022 (Thursday) (Conference Room No.2, 16:30 – 18:00)

Session III-1: PRODUCT DEVELOPMENT AND MECHANICAL SYSTEMS

Chairpersons: Biljana Marković, Fuad Hadžikadunić, Nenad Marjanović

1. **Nikola Korunović, Jovan Arandelović**
STRUCTURAL ANALYSIS AND OPTIMIZATION OF IMPLANTS USED IN TREATMENT OF LONG BONES FRACTURES
2. **Goran Pavlović, Mile Savković, Nebojša B. Zdravković, Goran Marković**
ANALYSIS AND OPTIMIZATION OF GEOMETRIC PROPERTIES OF A CRANE END TRUCK OF A TOP RUNNING DOUBLE-GIRDER OVERHEAD CRANE
3. **Mirjana Bojanić Šejat, Ivan Knežević, Aleksandar Živković, Milan Rackov, Imre Kiss**
ANALYSIS OF THE CLEARANCE INFLUENCE ON THE FOUR POINT CONTACT BALL BEARING DYNAMIC BEHAVIOR
4. **Blaža Stojanović, Aleksandar Vencl, Aleksandar Skulic, Slavica Miladinović, Sandra Veličković**
INFLUENCE OF MATERIALS ON THE DEGREE OF EFFICIENCY OF WORM GEAR TRANSMISSION
5. **Milan Tica, Tihomir Mačkić, Nenad Marjanović, Sanjin Troha, Miroslav Milutinović**
ANALYSIS OF GEAR RATIOS OF TWO DIFFERENT TYPES OF CYCLOID DRIVE TRAIN
6. **Sara Jerkić, Fuad Hadžikadunić, Mirza Oruč, Kenan Varda**
DESIGNING OF A SOCKET MODEL OF A LOWER LIMB PROSTHESIS USING 3D SCAN/CAD TECHNOLOGIES
7. **Pavle Ljubojević, Ivan Simonović, Tatjana Lazović**
COMPARATIVE ANALYSIS OF LOAD CARRYING CAPACITY OF SHEAR-LOADED BOLTED JOINTS
8. **Biljana Marković, Aleksija Đurić**
EDUCATION FOR INDUSTRY 4.0, SITUATION AND CHALLENGES – STUDY OF THE STATE OF SECONDARY SCHOOL LEVEL
9. **Milos Knezev, Aleksandar Zivkovic, Hasan Smajic, Aleksandar Stekolschik, Clemens Feller, Cvijetin Mladjenović, Dejan Marinković**
THERMAL MODEL OF HIGH SPEED MOTORIZED SPINDLE
10. **Miroslav Milutinović, Madina Isametova, Spasoje Trifković, Sanjin Troha, Milan Tica, Kulwant Singh**
IDENTIFICATION DESIGN PARAMETERS OR LOAD CAPACITY IN MANUAL GEARBOX FOR DIFFERENCE WORKING CONDITIONS

11. **Anita Vasileva, Elena Angeleska, Kristina Jakimovska, Sofija Sidorenko**
APPROPRIATE ERGONOMIC DESIGNS TO IMPROVE THE SAFETY OF
THE CRANE CABIN

November 18, 2022 (FRIDAY) (Conference Room No.1, 10:00 – 11:30)

Session I-2: MANUFACTURING TECHNOLOGIES AND ADVANCED MATERIALS

Chairpersons: Slobodan Tabaković, Saša Živanović, Edin Šunje

1. **Milan Zeljković, Slobodan Tabaković**
ABOUT ACCURACY OF MACHINE TOOL – ACCURACY OF POSITIONING
2. **Tomasz Węgrzyn, Bożena Szczucka-Lasota, Wojciech Tarasiuk, Piotr Cybulko, Adam Jurek, Adam Doring, Aleksandar Kosarac**
MAG WELDING OF DUPLEX STEEL FOR THE CONSTRUCTION OF ANTENNA MOUNTS
3. **Wojciech Tarasiuk, Aleksandar Kosarac, Tomasz Węgrzyn, Bożena Szczucka-Lasota, Piotr Cybulko, Jan Piwnik**
INFLUENCE OF THE SLIDING VELOCITY ON THE INTENSITY OF GENERATION OF AIRBORNE WEAR PARTICLES OF POLYMERIC MATERIALS
4. **Cvijetin Mladenović, Aleksandar Košarac, Aleksandar Živković, Miloš Knežev, Dejan Marinković, Robert Čep**
ANALYSIS OF MACHINE TOOLS DYNAMIC STABILITY BY APPLICATION OF VIBRATION TIME SIGNAL DECOMPOSITION
5. **Goran Vasilčić, Saša Živanović, Milan Milutinović, Zoran Dimić**
MACHINE TOOL WITH PARALLEL MECHANISMS INTENDED FOR CUTTING FOAM MATERIALS WITH HOT WIRE
6. **Strahinja Dašić, Suzana Savić Petrović, Bogdan Nedić**
COMPARATIVE ANALYSIS OF THE MACHINING TIME SIMULATION RESULTS FOR 3+2-AXIS AND 5-AXIS MILLING OF THE SHAPER
7. **Milos Milovancevic, Dalibor Petković**
EVALUATION OF CHIP-TOOL INTERFACE TEMPERATURE BY ADAPTIVE NEURO FUZZY INFERENCE SYSTEM
8. **Nikola Kostić, Saša Randelović, Sandra Stanković**
FEM ANALIZA NAPONSKO DEFORMACIONOG STANJA PRI TOPLOM KOVANJU ČELIČNOG NEROTACIONOG OBLIKA
9. **Edin Šunje, Edin Džih**
EXPERIMENTAL AND NUMERICAL DETERMINATION OF WARPAGE INTENSITY IN ELECTRIC BRAKER PANEL BOX MADE OF UV STABILISED ABS
10. **Jovica Ilić, Mladomir Milutinović, Milija Kraišnik, Dejan Movrin**
SHEET METAL FORMING USING VACUUM CAST POLYMER TOOL
11. **Igor Babić, Aleksandar Košarac**
INFLUENCES OF THE MILLING DIRECTION ON SURFACE QUALITY ON MILLING X155CRVMO12-1 STEEL

November 18, 2022 (FRIDAY) (Conference Room No.2, 10:00 – 11:30)

Session III-2: PRODUCT DEVELOPMENT AND MECHANICAL SYSTEMS

Chairpersons: Mirko Blagojević, Milan Tica, Milan Rackov

1. **Snežana Vulović, Miroslav Živković, Rodoljub Vujanac, Ana Pavlović, Marko Topalović**
DETERMINING THE NUMERICAL VALUES OF THE POTENTIAL AT THE MEASURING POINTS
2. **Vojislav Miltenovic, Biljana Markovic, Milan Tica**
BAUKASTEN PLANETARY TRANSMISSION CONSTRUCTION SYSTEM
3. **Marija Matejić, Miloš Matejić, Jovana Zivic, Lozica Ivanovic**
DESIGN AND TESTING OF ABRASIVE BELT GRINDER
4. **Miloš Matejić, Marija Matejić, Ljubica Mudrić-Staniškovski, Ivan Miletić**
IMPLEMENTATION OF MATHEMATICS MODELS IN DESIGN AUTOMATION
5. **Nenad Kostić, Nenad Petrovic, Nenad Marjanović, Jelena Petrovic**
TRANSPORTATION OPTIMIZATION WITH EXCEL SOLVER
6. **Rodoljub Vujanac, Nenad Miloradovic, Snežana Vulovic**
MEZZANINE FLOORS AS A PART OF RACKING SYSTEM
7. **Milan Vasić, Mirko Blagojević, Miloš Matejić**
EFFICENCY OF NON-PIN WHEEL CYCLOID REDUCER CONCEPT
8. **Dejan Marinković, Aleksandar Živković, Cvijetin Mladenović, Miloš Knežev, Dejan Lukić, Nicolae Ungureanu**
MODELING OF THE MACHINE TOOL SLIDERS MOVEMENT USING ARTIFICIAL INTELLIGENCE
9. **Nedeljko Vukojević, Amna Bajtarević-Jeleč**
STRUCTURAL INTEGRITY ASSESSMENT OF THICK-WALLED PRESSURE VESSEL
10. **Svetomir Simonović**
ON DESIGN AND CALCULATION OF LEVER TYPE LIFTING MECHANISM MULTIPLIERS

November 18, 2022 (FRIDAY) (Conference Room No.3, 10:00 – 11:30)

Session IV: RENEWABLE ENERGY AND ENVIRONMENTAL PROTECTION

Chairpersons: Dušan Golubović, Mirko Dobrnjac, Vlatko Cingoski

1. **Stojan Simić, Goran Orašanin, Davor Milić, Srđan Vasković, Jovana Blagojević, Krsto Batinić**
BASIC ASPECTS OF ENERGY PRODUCTION BY BURNING WASTE AGRICULTURAL BIOMASS IN BURNES
2. **Aleksandar Nešović, Mladen Josijević, Nebojša Lukić, Novak Nikolić, Dušan Gordić**
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6. **Jela Burazer, Dragiša Skoko, Đorđe Novković, Milan Lečić, Goran Vorotović**
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7. **Aleksandar Nešović**
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8. **Jelena Svorcan, Dragoljub Tanović, Aleksandar Kovačević**
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9. **Kristina Paunova, Vlatko Cingoski**
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10. **Valentino Stojkovski, Marija Lazarevikj, Viktor Iliev**
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11. **Dalibor Petković, Milos Milovancevic**
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12. **Marina Miličević, Budimirka Marinović**
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13. **Davor Milić, Stojan Simić, Dušan Golubović, Goran Orašanić, Radomir Žugić**
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14. **Velid Halilović, Jusuf Musić, Muhamed Bajrić, Jelena Knežević, Maida Jaganjac, Dino Hadžidervišagić, Srđan Vasković, Gojko Krunic**
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15. **Meho Kulovac, Krsto Batinić, Dušan Golubović, Azrudin Husika, Nihad Harbaš**
IMPROVEMENT OF ENERGY EFFICIENCY THROUGH ESCO MODEL
16. **Tatyana Sereda, Sergey Kostarev, Oksana Fotina**
RESOURCE-SAVING TECHNOLOGIES AND ANALYSIS OF THE USE OF SECONDARY RAW MATERIALS EXTRACTED FROM SOLID MUNICIPAL WASTE DURING THE 2020 PANDEMIC IN THE PERM KRAY (RUSSIA)
17. **Aleksandar Luketa, Jelena Perišić, Srđan Vasković, Gojko Krunic**
COMPARATIVE ANALYSIS OF HEATING CONSUMPTION OF FAMILY HOUSES AND APARTMENTS IN VIEW OF DIFFERENT ENERGY SOURCES

November 18, 2022 (FRIDAY) (Conference Room No.1, 11:45 – 12:25)

Presentation of company - TRB - Technical Overhaul Bratunac

November 18, 2022 (FRIDAY) (Conference Room No.1, 12:30 – 14:00)

Session V: QUALITY, MANAGEMENT, ORGANIZATION AND MAINTANCE

Chairpersons: George Nenes, Slaviša Moljević, Aleksandar Aleksic

1. **Panagiotis Kolonelos, George Nenes, Konstantinos A. Tasiias**
A QUALITY CONTROL SCHEME FOR MULTISTAGE MANUFACTURING SYSTEMS WITH MULTIPLE DISRUPTIONS
2. **Michael Huber, Nikolina Ljepava, Aleksandar Aleksic**
BUSINESS MODELS IN TRANSITION - A CHANGE FOR PERFORMANCE ENHANCEMENT AND RESILIENCE
3. **Aleksandar Aleksić, Snežana Nestić, Danijela Tadić, Nikola Komatina**
DETERMINATION OF ORGANIZATIONAL RESILIENCE LEVEL WITHIN BUSINESS PROCESSES IN PRODUCTION COMPANIES
4. **Miloš Ranisavljev, Andrej Razumić, Branko Štrbac, Biserka Runje, Amalija Horvatić Novak, Miodrag Hadžistević**
FLATNESS INVESTIGATION OF THE CMM GRANITE TABLE VIA CONVENTIONAL AND COORDINATE METROLOGY
5. **Bogdan Marić, Vlado Medaković**
OVERVIEW OF MAINTENANCE STRATEGIES
6. **Mirjana Jokanović Đajić, Tanja Glogovac**
COMMUNICATION AS A KEY FACTOR OF PROJECT SUCCESS
7. **Branislav Dudić, Alexandra Mittelman, Pavel Kovač, Borislav Savković, Eleonóra Beňová, Dušan Golubović**
PRODUCTION OF AUTOMOTIVE INDUSTRY IN THE WORLD
8. **Mirjana Jokanović Đajić, Soukaina El Hajjaji, Ranka Gojković**
PROJECT METHODOLOGIES AND THEIR IMPACT ON THE PROJECT SUCCESS
9. **Angela Fajsi, Slobodan Morača, Slaviša Moljević, Nenad Medic**
THE IMPORTANCE OF NETWORKING IN THE CONTEXT OF ACHIEVING ORGANIZATIONAL BUSINESS EXCELLENCE
10. **Deda Đelović**
AN OVERVIEW ON PORT MACHINERY PREDICTIVE MAINTENANCE

November 18, 2022 (FRIDAY) (Conference Room No.2, 12:30 – 14:00)

Session VI: STUDENT SESSION

Chairpersons: Dejan Jeremić, Davor Milić, Aleksija Đurić

1. **Valentina Lulić**
ENERGY EFFICIENCY ANALYSIS OF COGENERATION PLANT
2. **Stefan Adžić**
Theoretical foundations of photovoltaic systems
3. **Srđan Samardžić**
CALCULATION METHOD AND APPLICATIONS OF HARMONIC DRIVE
4. **Nemanja Vuković**
LUBRICATION OF STEAM TURBINES

5. **Borislav Jović**
APPLICATION OF CENTRIFUGAL FANS IN INDUSTRY
6. **Nikola Vuković**
APPLICATION OF AXIAL FANS IN RECIRCULATION COOLING SYSTEMS
7. **Srdan Suknović, Peko Ninković, Anđela Suknović**
OPTIMAL SELECTION OF STEAM TRAPS FOR INDUSTRIAL DRYERS

November 18, 2022 (Friday)

(Conference Room No.3, 12:30 – 14:00)

Session VII: POSTER SESSION

Chairpersons: Eleonora Desnica, Mitar Perušić, Ranka Gojković

1. **Jovan Mitrovic, Mitar Perušić**
A BACK VIEW OF THE HISTORY OF THERMODYNAMICS
2. **Eleonora Desnica, Jasmina Pekez, Dalibor Dobrilović, Ljiljana Radovanović, Dragica Radosav, Luka Đorđević, Milica Mazalica, Siniša Mihajlović**
RESEARCH IN THE FIELD OF RENEWABLE ENERGY THROUGH THE APPLICATION OF MODERN ICT TECHNOLOGIES
3. **Strahinja Djurović, Dragan Lazarević, Slobodan Malbašić, Živče Šarkočević, Milan Blagojević**
SLOPE ANGLE INFLUENCE ON THE QUALITY OF SURFACE OVERHANGS ON LOW-COST 3D PRINTERS
4. **Ivica Kladarić, Stjepan Golubić, Goran Šimunović, Katica Šimunović, Slavica Kladarić, Toimislav Šarić**
THE INFLUENCE OF APPLYING PVD COATINGS ON ADHESION WEAR RESISTANCE OF STRUCTURALS STEEL 45S20
5. **Stevan Stankovski, Gordana Ostojić**
IMPORTANCE OF INDUSTRIAL CYBER SECURITY IN CONTROL SYSTEMS
6. **Mina Šibalić, Marko Mumović, Aleksandar Vujović, Nikola Šibalić, Jelena Jovanović-Šaković**
DIGITALIZATION OF CULTURAL AND HISTORICAL HERITAGE LEADS TO ITS PRESERVATION USING 3D TECHNOLOGIES
7. **Marija Savković, Nikola Komatina, Snežana Nestić, Ranka Gojković**
COMPARATIVE ANALYSIS COMPETENCIES IN TRADITIONAL AND AGILE PROJECT MANAGEMENT APPROACHES
8. **Milan Rackov, Siniša Kuzmanović, Vojislav Miltenović, Ivan Knežević, Milan Banić, Aleksandar Miltenović, Sandor Bodzas**
MECHANICAL TRANSMISSIONS DIVISION SHOWING THE BASIC CONCEPTUAL SOLUTIONS OF UNIVERSAL MOTOR GEAR REDUCERS WITH HELICAL GEARS
9. **Milan Bojović, Miloš Pešić, Nikola Jović, Aleksandar Bodić, Vladimir Milovanović**
IMPROVED PROCEDURE FOR NUMERICAL ANALYSIS OF VEHICLE TRANSPORT PLATFORM
10. **Miloš Pešić, Marko Miljaković, Vladimir Kočović, Živana Jovanović Pešić, Nikola Jović, Jamina Miljojković, Aleksandar Bodić**
OPTIMISATION AND EFFICIENCY ANALYSIS OF MUZZLE BRAKE FOR SNIPER RIFLE

11. **Živana Jovanović Pešić, Dragan Džunić, Strahinja Milenković, Nikola Palić, Sasa Njezic, Fatima Živić**
FABRICATION OF ALUMINUM MATRIX COMPOSITES FOR
AUTOMOTIVE INDUSTRY VIA FRICTION STIR PROCESSING
TECHNIQUE – A REVIEW
12. **Nada Ratković, Živana Jovanović Pešić, Dušan Arsić, Miloš Pešić,
Dragan Džunić**
TOOL GEOMETRY EFFECT ON MATERIAL FLOW AND MIXTURE IN FSW

CONCLUSIONS AND CLOSING CEREMONY OF COMETA2022

**President of the Organizing Committee
PhD Milija Krašnik**

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