

Conference PROGRAM

WEDNESDAY 14 May 2025	
Time	Activity
09:00 – 10:00	<i>Registration of the participants</i>
10:00 – 10:30	<i>Opening of the Conference</i>
10:30 – 12:00	<i>Plenary Section</i>
	MECHANICAL INTERLOCKING ENABLES ADHESION CONTROL UNDER UNFAVOURABLE ENVIRONMENTAL CONDITIONS Marco Bruno, Luigi Portaluri, Massimo De Vittorio, Stanislav Gorb, Michele Scaraggi
	RESEARCH PROGRESS ON KEY TECHNOLOGIES OF HIGH-END LUBRICATING OILS IN CHINA Jian Xu, Wenjing Hu, Dandan Li, Jiusheng Li
	FRICITION-INDUCED GROWTH OF THIN SOLID FILMS FOR SELECTIVE AREA ADDITIVE MICRO-MANUFACTURING/RE-MANUFACTURING Yang Song, Chenxu Liu, Yonggang Meng
	INVESTIGATION OF TRIBOLOGICAL PROPERTIES OF PROTIC IONIC LIQUIDS AS VERSATILE ADDITIVES FOR ENVIRONMENTALLY FRIENDLY WATER-BASED LUBRICANTS Raimondas Kreivaitis , Artūras Kupčinskas, Milda Gumbytė, Jolanta Treinytė
	ANSAR-analitika Instrumenti d.o.o. - Conference Sponsor Krešo Mesarek , Aleksandra Životić
12:00 – 13:00	<i>Welcome Cocktail</i>
13:00 – 15:00	<i>Free Time</i>
15:00 – 16:45	<div> <div>Section A1 (Building A, Room: A-I-13)</div> <div>Section B1 (Building A, Room: A-P-23)</div> </div>
16:45 – 17:00	<i>Coffee break</i>
17.00 – 19:00	<div> <div>Section A2 (Building A, Room: A-I-13)</div> <div>Section B2 (Building A, Room: A-P-23)</div> </div>
20:00	<i>Conference Dinner</i> Restaurant Hotel Kragujevac Address: Kralja Petra I no. 18, Kragujevac

SERBIATRIB '25

19th International Conference on Tribology
14-16 May 2025, Kragujevac, Serbia



THURSDAY

15 May 2025

Time	Activity
09:00 – 11:00	Section C (Building A, Room: A-I-13)
11:00 – 12:00	Coffee break
12:00 –	Conference trip Vrnjacka Banja Lunch at the Restaurant "Gočko" The price of the Conference trip is 50 € 12:00 Departure from Faculty of Engineering Transport: By bus

FRIDAY

16 May 2025

9:00 – 11:00	Virtual Section – V1
11:00 – 11:30	Virtual Coffee Break
11:30 – 14:00	Virtual Section – V2
End of conference	

WEDNESDAY, 14 May 2025, 10:00 – FRIDAY, 16 May 2025, 14:00

POSTER SECTION

WEDNESDAY 14 May 2025	Section A (Building A, Room: A-I-13)
15:00 – 16:45	Chairmen: Jiusheng Li, Dusan Arsic
	MODELLING AND STATISTICAL ANALYSIS OF FLANK WEAR DURING TURNING OF Co-Cr-Mo ALLOY Aleksandar Milosevic, Sanda Simunovic, Mario Sokac, Zeljko Santosi, Vladimir Kocovic, Djordje Vukelic
	WEAR AND SOLDERING PERFORMANCE OF BARE, NITRIDED AND PVD COATED HOT-WORKING TOOL STEEL IN CONTACT WITH Al-ALLOY CASTING Pal Terek, Lazar Kovacevic, Vladimir Terek, Zoran Bobic, Branko Skoric, Marko Zagoricnik, Aljaz Drnovsek
	THE IMPORTANCE OF SUBSTRATE MATERIAL IN HIGH TEMPERATURE TRIBOLOGICAL TESTING OF PDV COATINGS – A CASE STUDY Vladimir Terek, Lazar Kovacevic, Aljaz Drnovsek, Miha Cekada, Branko Skoric, Zoran Bobic, Pal Terek
	DYNAMICS OF Pb EMERGENCE TO THE SURFACE IN SELF-LUBRICATING COMPOSITE MATERIALS AT ELEVATED OPERATING TEMPERATURES Petya Tabakova, Anna Petrova, Snezhana Atanasova, Hristo Kolev, Feyzim Hodjaoglu, Reni Andreeva, Ivan Zahariev, Georgi Avdeev, Korneli Grigorov
	ANALYSIS OF ROLLING RESISTANCE PARAMETERS IN GRAVITY FLOW RACKS FOR HEAVY-DUTY APPLICATIONS Mirjana Piskulic, Rodoljub Vujanac, Nenad Miloradovic
	ANALYSIS OF DATASETS GENERATED DURING TRIBOLOGICAL TESTS AT NANOTRIBOMETER BY USING NONLINEAR REGRESSION ANALYSIS Petar Todorovic, Nikola Kotorcevic, Fatima Zivic
	INFLUENCE OF CONTINUOUSLY VARIABLE LATERAL FORCE ON THICKNESS OF THE MATERIAL DURING STRIP THINNING Slavisa Djacic, Srbislav Aleksandrovic, Dusan Arsic, Marko Delic, Djordje Ivkovic, Milan Djordjevic
16:45 – 17:00	<i>Coffee break</i>
17:00 – 19:00	Chairmen: Michele Scaraggi, Pal Terek
	INFLUENCE OF OPERATING CONDITIONS ON THE POWER LOSSES OF THE WORM GEARBOX Aleksandar Skulic, Sandra Gajevic, Sasa Milojevic, Milan Bukvic, Igor Lavrnic, Blaza Stojanovic

SERBIATRIB '25

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WEDNESDAY 14 May 2025	Section A (<i>Building A, Room: A-I-13</i>)
17:00 – 19:00	FUNCTIONAL ANALYSIS OF SURFACE ROUGHNESS Suzana Petrovic Savic, Milos Zivanovic, Marko Pantic, Dragan Dzunic, Vladimir Kocovic, Zivana Jovanovic Pesic, Aleksandar Djordjevic
	TRIBOLOGICAL PROPERTIES OF SURFACING WELDED NI60WC COATING UNDER SIMULATED PLASTICS PROCESSING CONDITIONS Wangping Wu, Sheng Lin, Yang Yang
	THE INFLUENCE OF GRIT SIZE AND FIBER LENGTH ON THE FRICTIONAL PERFORMANCE OF COIR FIBER-REINFORCED POLYMER COMPOSITE Abdullah Shalwan, Saad Alsubaie, B. F. Yousif
	DESIGN AND TESTING OF PIN ON DISC TRIBOMETER: FINK-POD2025 Andjela Perovic, Mirjana Piskulic, Stefan Cukic, Milos Matejic, Blaza Stojanovic

WEDNESDAY 14 May 2025	Section B (<i>Building A, Room: A-P-23</i>)
15:00 – 16:45	Chairmen: Gencaga Purcek, Milan Banic
	WEAR IN RESTORATIVE DENTISTRY/TEETH AND DENTAL MATERIALS Kivanc Dulger, Gencaga Purcek
	EFFECTS OF AGING AND SEVERE PLASTIC DEFORMATION ON TRIBOLOGICAL BEHAVIOR OF AL 7075 ALLOY Melih Ustalar, Muhammet Uzun, Harun Yanar, Muhammet Demirtas, Gencaga Purcek
	DESIGN AND SYNERGISTIC INTERACTION OF ETHERAMINE-BASED ASH-FREE ORGANIC FRICTION MODIFIERS WITH ZDDP Wenjing Hu, Jiusheng Li
	STEP WAVES IN FLOWING FILMS Victor Shkadov, Alexander Beloglazkin, Ignat Shishkin
	NUMERICAL ANALYSIS OF THE IRONING PROCESS UNDER CONDITIONS OF VARIABLE LATERAL FORCE Marko Delic, Slavisa Djacic, Srbislav Aleksandrovic, Vesna Mandic, Dusan Arsic, Djordje Ivkovic, Dragan Adamovic
	RESEARCH PROGRESS OF METAL-ORGANIC FRAMEWORK IN TRIBOLOGY Hanglin Li, Xudong Sui, Pablo Ayala, Carsten Gachot, Jiusheng Li

WEDNESDAY 14 May 2025	Section B (Building A, Room: A-P-23)
16:45 – 17:00	<i>Coffee break</i>
17:00 – 19:00	Chairmen: Yonggang Meng, Aleksandar Marinkovic
	ANALYSIS OF PRESSURE DISTRIBUTION IN 3D-PRINTED SLIDING BEARINGS USING HERTZIAN CONTACT THEORY Ivan Simonovic, Aleksandar Marinkovic
	FINITE ELEMENT ANALYSIS OF STRESS AND CONTACT PRESSURE IN STEEL PLATES UNDER VARYING FRICTION COEFFICIENTS Vladimir Milovanovic, Milos Pesic, Snezana Vulovic, Zivana Jovanovic Pesic, Miroslav Zivkovic
	INFLUENCE OF SURFACE TEXTURE ON THE GENERATION INTENSITY OF AIRBORNE WEAR PARTICLES OF POLYMER MATERIALS FOR SLIDING BEARINGS Wojciech Tarasiuk, Aleksander Kosarac, Tomasz Węgrzyn, Bożena Szczucka-Lasota, Jan Piwnik
	IMPACT TESTS FOR TWO COMPOSITES FOR MARINE APPLICATIONS Ioana Gabriela Chiracu, Constantin Georgescu, George Cătălin Cristea, George Ghiocel Ojoc, Mihail Boțan, Alexandru Viorel Vasiliu, Lorena Deleanu
	ANALYSIS OF THE EFFECTS OF CUTTING SPEED AND FOCUS POSITION ON OXIDATION MARKS IN FIBER REACTIVE LASER CUTTING Milos Madic, Dusan Petkovic, Miroslav Mijajlovic, Milan Banic, Milan Trifunovic
	TRIBOLOGICAL ASPECTS OF IDENTIFICATION OF THE KEY CAUSES OF REDUCTION IN THE EFFICIENCY OF AXIAL PISTON WATER HYDRAULIC PUMPS Nenad Todici, Slobodan Savic, Zivojin Stamenkovic, Blaza Stojanovic

THURSDAY 15 May 2025	Section C (Building A, Room: A-I-13)
09:00 – 11:00	Chairmen: Sergey V. Fedorov, Suzana Petrovic Savic
	STRUCTURAL-ENERGY CONSTANTS OF THE EVOLUTION OF THE FRICTION CONTACT Sergey Vasiliy Fedorov
	VISCOMETRY ON SYNTHETIC AND FULLERENE BASED OILS AND A CFD INVESTIGATION ON COMPRESSION PISTON RING Elias Tsakiridis, Alexandra Anyfanti, Pantelis Nikolakopoulos

THURSDAY 15 May 2025	Section C (<i>Building A, Room: A-I-13</i>)
09:00 – 11:00	FLEXURAL, COMPRESSIVE AND FRACTURE TOUGHNESS OF DELONIX REGIA POD-EGGSHELL PARTICLE REINFORCED VIRGIN LOW-DENSITY POLYETHYLENE NANOCOMPOSITES
	Sefiu Adekunle Bello, Maruf Yinka Kolawole, Adijat Ashifat, Davina Ajetomobi, Jeremiah Ponle, Suleiman Danjuma Daudu, Mohammed Kayode Adebayo, Aisha Mayowa Akintola
	PHYSICS-BASED SIMPLE ANALYTICAL MODEL OF WATER FLOW THROUGH MICRO-POROUS FILTER
	Nikola Kotorcevic, Fatima Zivic, Strahinja Milenkovic, Nenad Grujovic, Nikola Milivojevic
	PERFORMANCE CHARACTERISTICS OF ECO-FRIENDLY AGROBIO-WASTES AS MOLD ADDITIVES ON MECHANICAL PROPERTIES OF AISiMg ALLOY
	Maruf Yinka Kolawole, Sefiu Adekunle Bello, Ayodeji Sulaiman Olawore, Tunji Adetayo Owoseni
	INVESTIGATION OF SHIELDED METAL ARC WELDING (SMAW)WELD INTEGRITY ON A LOW-CARBON STEEL PIPELINE USING DESTRUCTIVE MECHANICAL TESTING TECHNIQUE
	A. E. Dele, C. V. Ossia, E. O. Diemuodeke
	EFFECT OF ELECTRON BEAM PROCESSING PARAMETERS ON THE SURFACE ROUGHNESS OF TITANIUM SAMPLES
	Zivana Jovanovic Pesic, Aleksandra Vulovic, Strahinja Milenkovic, Djordje Ilic, Dragan Dzunic
	CASTOR OIL BASED TERPOLYMER WITH STYRENE AND A-OLEFIN AS BIODEGRADABLE ADDITIVE IN LUBE OIL
	Sayak P Ghosh, Pranab Ghosh
	A REVIEW OF LINEAR RECIPROCATING TRIBOMETERS: DESIGN AND APPLICATIONS
	Jovana Markovic, Marija Matejic, Milos Matejic, Jasmina Skerlic, Bojan Bogdanovic
11:00 – 12:00	<i>Coffee break</i>
12:00 -	<i>Conference Trip Departure from Faculty of Engineering</i>

FRIDAY 16 May 2025	Virtual Section Zoom , Meeting ID: 932 941 6573, Password: 123456
9:00 – 11:00	Chairmen: Dragan Dzunic
	DEVELOPMENT OF VACUUM PLASMA STRENGTHENING HARD AND ULTRA HARD 3D AVINIT COATINGS Oleksii Sagalovych, Valentin Popov, Vlad Sagalovych, Stanislav Dudnik
	DESIGN AND TESTING OF A MODULAR TRIBOMETER FOR ANTI-FRICTION COATING ANALYSIS IN OCTG APPLICATIONS Igor' Yu. Pyshmintsev, Andrey Golyshev, Alexey Lovyagin
	EFFECT OF ADDITIVE ELEMENTS ON ABRASION WEAR OF AA7075 BASED ZrO₂/GNP ADDED HYBRID COMPOSITES Şükran Katmer, Muharrem Pul, Ulvi Şeker
	BEHAVIOR OF THE EROSIVE WEAR OF A STEEL PIPELINE SECTION API 5L-X52 BY SOLID PARTICLES OF ALUMINUM OXIDE (AL₂O₃) Javier Alejandro Frias-Flores, Manuel Vite-Torres, Ezequiel Alberto Gallardo-Hernandez
	MECHANOCHEMICAL/TRIBOCHEMICAL APPROACH TOWARD EFFICIENT AND SUSTAINABLE RECYCLING AND REUSE OF EOL ND-FE-B PERMANENT MAGNETS Zara Cherkezova-Zheleva, Daniela Paneva, Radu-Robert Piticescu, Guido Heunen, Olivier Jay
	EFFECT OF W, Ni, AND Co DOPING ON THE MICROSTRUCTURE, CORROSION RESISTANCE, AND WEAR BEHAVIOR OF IRON-BASED ALLOYS PROCESSED BY SOLID-STATE SINTERING Mebarki Lahcene, Hammoudi Abderrazak, Guendouz Hassan, Ivana Atanasovska
	HYBRID METAHEURISTIC ALGORITHM: A NOVEL APPROACH FOR INDUSTRIAL OPTIMIZATION CHALLENGES Hammoudi Abderazek, Aissa Laouissi, Mourad Nouioua, Ivana Atanasovska
	CONTACT, FRICTION AND SEISMIC WAVES DURING SEISMOTECTONIC PROCESSES IN THE EARTH'S CRUST Emilia Assenova, Evgenia Kozhoukharova
	OPTIMIZATION OF WEAR PARTICLE AND DEBRIS CLASSIFICATION Jiri Stodola
	PRESSURE DROP ANALYSIS IN SOLENOID-TYPE VALVES: DISCREPANCIES BETWEEN EXPERIMENTAL RESULTS AND MANUFACTURER DATA Emanuel Alexander Moreno Aldana, Maurício Nogueira Frota
	MODIFICATION OF GATE VALVE SEALING ELEMENT TO ENHANCE THE WEAR RESISTANCE Jamaladdin Aslanov, Khalig Mammadov

FRIDAY 16 May 2025	Virtual Section <u>Zoom</u>, Meeting ID: 932 941 6573, Password: 123456
11:00 – 11:30	<i>Virtual Coffee break</i>
11:30 – 14:00	CASE STUDY ON SUITABILITY OF RAIL GREASE PERFORMANCE FOR LIGHT RAIL TRANSIT (LRT) KELANA JAYA, MALAYSIA Nadia Nurul Nabihah Ahmad Fuad, Izzatul Hamimi Abdul Razak, Mohamad Ali Ahmad, Wan Ahmad Syahmi Wan Amir Zaki, Mohamad Nasrulhisyam Sobri, Sabrina Karim
	THE INFLUENCE OF SOIL ABRASIVE MASS PH ON STEEL WEAR PROCESSES Marcin Kowalewski, Jerzy Napiórkowski, Łukasz Konat
	EXPERIMENTAL STUDY ON RUBBER-GRANITE FRICTION IN DRY AND CONTAMINATED CONTACT Ionut Marius Nazarie, Ilie Musca, Ionut Cristian Romanu, Irina Besliu-Bancescu
	EFFECT OF CAVITATION EROSION ON MATERIAL MECHANICAL PROPERTIES AND MACHINE ELEMENTS PERFORMANCE Pavle Ljubojevic, Tatjana Lazovic, Marina Dojcinovic, Jovana Antic
	THE INFLUENCE OF OXYGEN ON CORROSION AND TRIBOCORROSION OF LOW CARBON STEEL IN HYDROGEN SULFIDE ENVIRONMENT Myroslav Khoma, Marian Chuchman, Chrystyna Vasylyv, Vasyl Ivashkiv, Nadija Ratska, Oleh Vasylyv
	EFFECT OF ACETABULAR CUP THICKNESS ON THE MAXIMUM CONTACT PRESSURE IN NITRIDED GRADE2 TDN – UHMWPE HIP ENDOPROSTHESES Myron Czerniec, Jerzy Czerniec
	THE ROLE OF TRIBOLOGY IN IMPROVING THE PERFORMANCE OF MACHINERY SYSTEMS Milica Utvic, Bojan Stojcetovic, Milan Misic, Anja Jovanovic
	FINITE ELEMENT INVESTIGATION OF THE EFFECT OF FRICTION CONDITIONS AND CUTTING ENVIRONMENT IN TURNING OF AISI H13 HARDENED STEEL Nikolaos E. Karkalos, Nikolaos A. Fountas, Nikolaos M. Vaxevanidis
	MATERIAL SELECTION FOR TRIBOLOGICALLY LOADED COMPONENTS Dragan Adamovic, Dusan Arsic, Vesna Mandic, Djordje Ivkovic, Marko Delic, Nada Ratkovic
	POSSIBILITIES OF APPLYING ARTIFICIAL INTELLIGENCE IN THE FIELD OF TRIBOLOGICAL RESEARCH Milan Eric, Miladin Stefanovic, Slobodan Mitrovic, Dragan Dzunic, Vladimir Kocovic, Zivana Jovanovic Pesic, Suzana Petrovic Savic, Aleksandar Djordjevic, Marko Pantic

FRIDAY 16 May 2025	Virtual Section <u>Zoom</u>, Meeting ID: 932 941 6573, Password: 123456
11:30 – 14:00	APPLICABILITY OF WEAR MODELS FOR MATERIAL PARAMETER PREDICTION BASED ON PIN-ON-DISC WEAR DATA Shivasharanappa V. Gubbewad, Amaresh Raichur
	TRIBOCORROSION OF ALUMINUM ALLOY IN A CHLORIDECONTAINING ENVIRONMENT INHIBITED BY A MALTODEXTRIN-BASED COMPOSITION Sergiy Korniy, Marjana Tymus, Ivan Zin, Nadiia Rats'ka, Bogdan Datsko
	IMPACT OF GRAPHENE ON THE PROPERTIES OF PHASE CHANGE MATERIAL Kapilan Natesan, Sriram Mukunda, Vidhya P, Shivarishika K
	STUDY ON MECHANICAL AND MICROSTRUCTURAL PROPERTIES OF 7075Al/SiC METAL MATRIX COMPOSITES Sriram Mukunda, Kapilan Natesan
	AlSi10Mg POWDER CHARACTERISTICS AND WEAR MECHANISM OF PARTS FABRICATED THROUGH LASER POWDER BED FUSION TECHNIQUE Ram Krishna Upadhyay
	LIFETIME PREDICTION MODEL OF RECIPROCATING SEAL CONSIDERING VARIABLE SPEED PROFILE Yunhao Zhang, Chao Zhang, Shaoping Wang, Rentong Chen, Jiashan Gao
	EFFECT OF HETEROGENEOUS ANISOTROPIC MATERIAL ON THERMAL EHL IN SIMPLE SLIDING LINE CONTACT Jing Wang, Huanian Liu, Cornelis Venner
	ELUCIDATION OF CHANGES IN THE MICROSTRUCTURE OF VEGETABLE LUBRICANTS BASED ON ANALYSIS OF RHEOLOGICAL PARAMETERS DETERMINED FROM THE MSD CORRELATION FUNCTION CARRIED OUT BY DWS DIFFUSION SPECTROSCOPY AND SPECTRA CARRIED OUT BY RAMAN SPECTROSCOPY Rafal Kozdrach, Jolanta Drabik
	METHODOLOGICAL APPROACH TO THE DEVELOPMENT PROCESS OF SINTERED FRICTION MATERIALS A.Ph. Ilyushchanka, A.V. Liashok, A.N. Rogovoy

Poster Section (*Building A-I*)

NUMERICAL DETERMINATION OF THE HEATING AND WEAR OF BRAKE PADS ON THE BASIS OF EXPERIMENTAL RESEARCHES

Nadica Stojanovic, Ali Belhocine, Oday I. Abdullah,
Zeljko Djuric, Ivan Grujic

THE NUMERICAL INVESTIGATION OF THE WEAR AND HEATING OF ENGINE PISTON AND CYLINDER FOR THE CASE OF TRIBOLOGICAL INSERTS APPLICATION

Ivan Grujic, Zeljko Djuric, Nadica Stojanovic

TRIBOLOGICAL EXAMINATION OF ANODIZED AL-356

Alexandra Musza, Tamás Molnár, Sándor Kovács, Nguyen Quang Chinh, Ádám Vida

THE INFLUENCE OF THE HARD-FACED LAYERS PATTERN ON THE WEAR RESISTANCE OF THE WHEEL LOADER'S BUCKET TEETH

Djordje Ivkovic, Dusan Arsic, Vukic Lazic, Marko Delic, Andjela Ivkovic, Petra Bunjakova

ANALYSIS OF THE INFLUENCE OF HOT FORGING PROCESS PARAMETERS ON TOOL WEAR USING THE FINITE ELEMENT METHOD

Marko Delic, Milos Delic

OVERVIEW OF TRIBOLOGY AS AN INTERDISCIPLINARY SCIENCE

Gabriela Kotseva, Nikolay Stoimenov

THE INFLUENCE OF CUTTING DEPTH ON SURFACE ROUGHNESS OF 3D PRINTED PARTS

Strahinja Djurovic, Milan Ivkovic, Nikolaj Velikinac, Dragan Lazarevic, Milan Misic, Bojan Stojcetovic, Stefan Miletic

INFLUENCE OF CUTTING CONDITIONS ON SURFACE ROUGHNESS OF PA AND PA15

Milan Ivkovic, Stefan Mihailovic, Strahinja Djurovic, Stefan Miletic,
Bogdan Zivkovic, Bogdan Nedic, Suzana Petrovic Savic

INVESTIGATION OF THE TRIBOLOGICAL CHARACTERISTICS OF POLYMER MATERIALS (PLA, PLA+COPPER, AND ABS) UNDER LUBRICATED AND DRY SLIDING CONDITIONS

Stefan Miletic, Slobodan Mitrovic, Dragan Dzunic, Marijana Savkovic,
Zivana Jovanovic Pesic, Milan Ivkovic

COMPARATIVE TRIBOLOGICAL ANALYSIS OF NEW AND USED DIESEL ENGINE OILS

Vladimir Kocovic, Sonja Kostic, Ljiljana Brzakovic, Suzana Petrovic Savic, Zivana Jovanovic Pesic, Milos Pesic, Slobodan Mitrovic, Dragan Dzunic

TRIBOLOGICAL BEHAVIOR OF ABACA FIBER-REINFORCED EPOXY COMPOSITES: PRELIMINARY INVESTIGATIONS

Dragan Dzunic, Marko Milosevic, Zivana Jovanovic Pesic, Vladimir Kocovic,
Suzana Petrovic Savic, Aleksandar Djordjevic, Slobodan Mitrovic

Poster Section (*Building A-I*)

INFLUENCE OF B₄C CONTENT AND PROCESSING CONDITIONS ON WEAR RESISTANCE OF ALUMINUM

Sandra Gajevic, Slavica Miladinovic, Onur Güler, Serdar Özkaya, Lozica Ivanovic,
Jelena Jovanovic, Blaza Stojanovic

INFLUENCE OF PRESS-FIT DIMENSIONS ON REPEATED ASSEMBLY OF BALL BEARINGS INTO 3D PRINTED HOUSINGS

Strahinja Milenkovic, Zivana Jovanovic Pesic, Nenad Petrovic, Dalibor Nikolic, Nenad Kostic

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Conference trip - Vrnjačka Banja

Vrnjačka Banja is the most celebrated and most popular spa town of Serbia and at same time, a very attractive recreative centre. Situated in a great park full of trees with particularly charming houses. Surrounding Vrnjačka Banja are UNESCO protected medieval buildings, which serve as a reminder to early European civilisation.

It owes its reputation to its therapeutic effects known already to the Roman troops in the second century AD. With organized walks along the tree bordered paths, Vrnjačka Banja is an ideal place to come to for one's own salvation. Vrnjačka Banja has seven mineral springs, four of which are used in spa therapies. The Topla Voda spring, which is unique because it is the same temperature as the human body (36.5°C), is of the carbonic acid homeothermic type and is used for drinking and bathing. The cold mineral springs, Snežnik (17°C), Jezero (27°C) and Slatina (14°C), are of the alkaline-earth type.

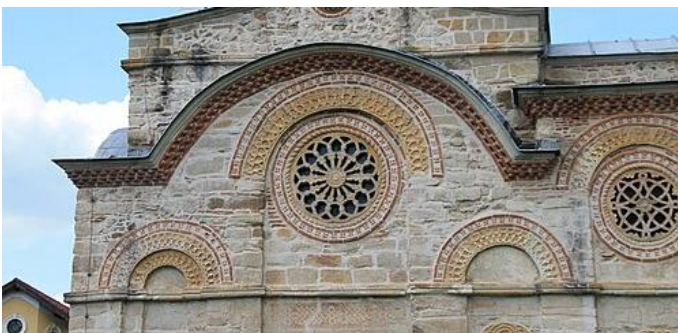


Ljubostinja Monastery



Ljubostinja Monastery, nestled in the heart of Serbia near the town of Trstenik, stands as a true gem of Serbian medieval architecture and spirituality.

Built at the turn of the 14th to the 15th century, it was the endowment of Princess Milica. Constructed in the distinctive Morava architectural style, the monastery radiates beauty and serenity, drawing visitors with its rich history and remarkable frescoes.



Beyond its historical and artistic significance, Ljubostinja remains an active women's monastery to this day. The nuns devote themselves to prayer, icon painting, embroidery, and other traditional crafts, thus preserving the spiritual heritage and customs of this sacred place.