

## **INTERNATIONAL ENGINEERING CONFERENCE**

Dear participants of the Conference,

The registration of participants will take place on Monday, 26.08. 2024. from 17.00 to 18.00 and 27.08.2024. from 9.00 to 10.00.

Please don't forget to show the proof of registration fee payment at the registration desk. Upon registration, you will receive the conference material and an identification card.

In case of non-arrival of a certain number of authors, the organizer may change the hourly rate. In that case, the participants will be informed in a timely manner.

We kindly ask the authors to make presentations using the template provided on the conference website and send it to the conference e-mail or hand it in at least thirty minutes before the start of the session. Please take into account that the duration of each presentation should not exceed 10 minutes.

**Organizational Committee of the Conference**

## Conference schedule

**26.08.2024.**

<b>9:00</b>	Meeting of the organizing committee of the conference
<b>17:00-18:00</b>	Registration of participants

**27.08.2024.**

<b>09:00-10:00</b>	Registration of participants	
<b>I Session - 10:00-13:00</b>		
<b>Chairman:</b> <b>PhD Mirjana Laban and PhD Dumitru Mnerie</b>		
<a href="#"><u>Google meet link</u></a>		
<b>Time</b>	<b>Author</b>	<b>The title of the paper</b>
<b>10:00-10:30</b>	<b>PhD Branko Savić</b> , Director of The Higher Education Technical School of Professional Studies in Novi Sad  <b>PhD Mirjana Laban</b> , University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia  <b>PhD Miloš Knežević</b> , University of Montenegro  <b>PhD Dumitru Mnerie</b> , POLITEHNICA University Timișoara, Romania  <b>PhD Meri Cvetkovska</b> , Ss. Cyril and Methodius University in Skopje, North Macedonia  <b>PhD Zvezdan Karadžin</b> , University of Tuzla, BiH  <b>PhD Miroslava Vandlicková</b> , University of Žilina, Slovakia  <b>PhD Mirzo Selimić</b> , University College “CEPS-Center for Business Studies”, Kiseljak, BiH	Welcome speech and opening of the conference

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	Guest attendees introduction	
<b>10:30 -11:00</b>	Opening cocktail	
<b>11:00-11:10</b>	Gabriela-Victoria Mnerie, Iuliana Duma, Nicolae-Radu Popescu, Emilia Dobrin, Lavinia-Ileana Sîrbu, Raluca Faur	RESEARCH ON THE CAUSE OF THE FAILURE IN OPERATION OF A GAS PIPELINE <a href="#">ppt</a> <a href="#">pdf</a>
<b>11:10-11:20</b>	Ileana Mogoşanu, Dumitru Mnerie, Gabriela-Victoria Mnerie, Ramona Dzitac	ON SOME CORRELATIONS BETWEEN TELEWORKING MANAGEMENT AND ECONOMIC PERFORMANCES <a href="#">ppt</a> <a href="#">pdf</a>
<b>11:20-11:30</b>	Anđela Knežević, Željka Beljkaš, Miloš Knežević, Pavle Dakić	PANORAMIC FRAMES: URBAN INTERVENTIONS IN NATURAL SETTINGS OF DURMITORSKI RING AND BUKUMIRSKO LAKE IN MONTENEGRO <a href="#">ppt</a> <a href="#">pdf</a>
<b>11:30-11:40</b>	Zvezdan Karadžin, Abaz Velić	ASSESSMENT OF ENVIRONMENTAL RISKS AT THE OLD MINING SITE <a href="#">ppt</a> <a href="#">pdf</a>
<b>11:40-11:50</b>	Milan Jovanović, Nikola Mitrović, Radovan Radovanović, Milica Janković	CLASSIFICATION OF MUNICIPAL WASTE IN THE FIELD IN THE REPUBLIC OF SERBIA <a href="#">ppt</a> <a href="#">pdf</a>
<b>11:50-12:00</b>	Miroslava Vandličková, Eva Sventeková ,	SELECTED FIRE AND EXPLOSION CHARACTERISTICS

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	Stanislava Gašpercová	OF COMBUSTIBLE WOOD DUSTS AND THE INFLUENCE OF THEM ON THE EXPLOSION SAFETY IN INDUSTRIAL PLANTS <a href="#">ppt</a> <a href="#">pdf</a>
<b>12:00-12:10</b>	Ninoslava Tihi, Srđan Popov	VISUALIZATION OF METEOROLOGICAL TIME SERIES USING R- SHINY PACKAGE <a href="#">ppt</a> <a href="#">pdf</a>
<b>12:10-12:20</b>	Marina Kostić	THE IMPORTANCE OF PSYCHOLOGICAL SUPPORT FOR PATIENTS IN MANAGING AND OVERCOMING STRESS <a href="#">ppt</a> <a href="#">pdf</a>
<b>12:20-12:30</b>	Marina Kostić	ATTITUDE TOWARDS HEALTH AND OWN BODY AS THE BASIS OF HEALTHY LIFESTYLES <a href="#">ppt</a> <a href="#">pdf</a>
<b>12:30-12:40</b>	Radovan Radovanović, Lazar Miladinović	CRIMINAL INVESTIGATIONS AND EXPERTISE OF TRACES OF DELIBERATELY SET FIRES AND EXPLOSIONS USING MODERN FORENSIC METHODS AND TECHNICAL SYSTEMS <a href="#">ppt</a> <a href="#">pdf</a>
<b>12:40-13:00</b>	<b>Questions and discussion</b>	
<b>LUNCH– 13:00-14:00</b>		

<b>II Session - 14:00-18:20</b>		
<b>Chairman: PhD Vesna Petrović and MSc Ninoslava Tihi</b>		
<b>Time</b>	<b>Author</b>	<b>The title of the paper</b>
<b>14:00-14:10</b>	Vladimir Blanuša, Jovan Vukman, Dušan Gavanski, Branko Savić, Ivan Bilić	EXPERIMENTAL TESTING OF THE ACCURACY OF DIMENSIONS OF PARTS

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		OBTAINED USING 3D PRINTING TECHNOLOGY <a href="#">ppt</a> <a href="#">pdf</a>
<b>14:10-14:20</b>	Vesna Petrović, Tatjana Božović, Vojkan Zorić	FLAME RETARDANTS IN PLASTICS MATERIALS <a href="#">ppt</a> <a href="#">pdf</a>
<b>14:20-14:30</b>	Mihailo Ostojić, Syed Hammad Rasheed, Miloš Knezević	WST IN THE AEC INDUSTRY (PART II - EXPERIMENTS & REAL - LIFE IMPLEMENTATION) <a href="#">ppt</a> <a href="#">pdf</a>
<b>14:30-14:40</b>	Senka Bajić, Annmarie Chizewski	COMPREHENDING THE SIGNIFICANCE OF PHYSICAL FITNESS FOR FIREFIGHTERS OCCUPATIONAL PERFORMANCE <a href="#">ppt</a> <a href="#">pdf</a>
<b>14:40-14:50</b>	Tanja Krunić, Milica Grbić	USING MICRODATA IN SEARCH ENGINE OPTIMIZATION OF SCHOLARLY ARTICLES - CASE STUDY <a href="#">ppt</a> <a href="#">pdf</a>
<b>14:50-15:00</b>	Dragan Rastovac, Božo Ilić	WHEN TO EXPECT AND WHAT TO EXPECT FROM THE 5G NETWORK IN THE REPUBLIC OF SERBIA <a href="#">ppt</a> <a href="#">pdf</a>
<b>15:00-15:10</b>	Dragana Đurić, Marija Vuksanović, Ivan Jelić	CORPORATE MANAGEMENT AS A FUNCTION OF ORGANIZATIONAL CHANGES <a href="#">ppt</a> <a href="#">pdf</a>
<b>15:10-15:20</b>	Božo Ilic, Jovan Vujić, Radiša Stefanović, Nebojša Đenić	PROTECTION FROM ELECTRIC SHOCK WHEN WORKING WITH PORTABLE TOOLS <a href="#">ppt</a> <a href="#">pdf</a>
<b>15:20-15:30</b>	Tiana Milović, Slobodan Šupić, Vladan Pantić, Stevan Tomić	OPTIMIZATION OF THE MIXTURE DESIGN FOR HEMP FIBER-REINFORCED REPAIR CEMENT MORTAR <a href="#">ppt</a> <a href="#">pdf</a>
<b>15:30-15:40</b>	Bojan Stojčetočić, Milan Mišić, Martina Petković, Strahinja Đurović,	STUDENTS OPINION TOWARD ARTIFICIAL INTELLIGENCE <a href="#">ppt</a> <a href="#">pdf</a>

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	Milica Utvić	
<b>15:40-15:50</b>	<b>Questions and discussion</b>	
<b>15:50-16:30</b>	Coffee break	
<b>16:30-16:40</b>	Branislav Santrač	EFFECT OF ELECTRONICALLY GENERATED LOW-FREQUENCY SOUND ON SPATIAL DISTRIBUTION AND DIMENSIONS OF MATTER IN A FIRE <a href="#">ppt</a> <a href="#">pdf</a>
<b>16:40-16:50</b>	Branko Babić	OPERATIONAL FIREFIGHTING PLAN FOR THE HIGHER TECHNICAL SCHOOL OF PROFESSIONAL STUDIES IN NOVI SAD <a href="#">ppt</a> <a href="#">pdf</a>
<b>16:50-17:00</b>	Tatjana Božović, Vesna Petrović, Saša Spaić	FIRES IN KITCHENS CAUSED BY EDIBLE OILS AND COOKING LARD <a href="#">ppt</a> <a href="#">pdf</a>
<b>17:00-17:10</b>	Sibila Petenji-Arbutina, Karolina Mudrinski Palanački, Srdjan Dimitrov	THE PROCESS OF DESIGNING THE TRADEMARK OF THE HIGHER EDUCATION TECHNICAL SCHOOL OF PROFESSIONAL STUDIES IN NOVI SAD <a href="#">ppt</a> <a href="#">pdf</a>
<b>17:10-17:20</b>	Boțilă Lia-Nicoleta, Dobrin Emilia, Mnerie Gabriela-Victoria	FRICITION STIR PROCESSING - METHOD FOR INCREASE OF PLASTICITY OF EN AW 7075 ALUMINUM ALLOY <a href="#">ppt</a> <a href="#">pdf</a>
<b>17:20-17:30</b>	Emilia Dobrin, Alin-Constantin Murariu, Gabriela-Victoria Mnerie, Lavinia Ileana Sîrbu, Mihai Florea	OPTIMIZING THE WEAR RESISTANCE OF SOIL CONTACT COMPONENTS OF AGRICULTURAL MACHINERY: AN ANALYSIS OF CURRENT STRATEGIES AND FUTURE DIRECTIONS <a href="#">ppt</a> <a href="#">pdf</a>
<b>17:30-17:40</b>	Živoslav Adamović, Ivan Blagojević	A MODEL FOR DETERMINING THE RELIABILITY OF COMPLEX MACHINES <a href="#">ppt</a> <a href="#">pdf</a>

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<b>17:40-17:50</b>	Vesna Šipka, Ljiljana Popović	ADVANCES AND CHALLENGES IN DETERMINING HYPOCENTER DEPTH: IMPLICATIONS FOR EARTHQUAKE EFFECTS AND SEISMIC RISK MANAGEMENT ppt <a href="#">pdf</a>
<b>17:50-18:00</b>	Kristina Dundović, Josip Knežević	ANALYSIS OF HALF- BARRIERS/BARRIERS BREAKAGES AT RAILWAY- ROAD CROSSINGS IN THE REPUBLIC OF CROATIA ppt <a href="#">pdf</a>
<b>18:00-18:20</b>	<b>Questions and discussion</b>	

**28.08.2024.**

<b>III Session - 10:00-13:00</b>		
<b>Chairman:</b>		
<b>PhD Saša Spaić and PhD Nenad Janjić</b>		
Time	Author	The title of the paper
<b>POSTER PRESENTATION</b>		
<b>10:00-10:10</b>	Liljana Dimevska Sofronievska, Meri Cvetkovska, Ana Trombeva Gavriloska	NANO-MATERIALS FOR ENERGY EFFICIENCY IMPROVEMENT OF BUILDING FACADES
<b>10:10-10:20</b>	Nermin Palić, Mirzo Selimić	<a href="#">COMPARISON OF TRAFFIC NOISE PREDICTION MODELS WITH EXPERIMENTAL DATA</a>
<b>10:20-10:30</b>	Mihailo Ostojić, Syed Hammad Rasheed, Miloš Knezević	WIRELESS SENSING TECHNOLOGIES IN THE ARCHITECTURAL, ENGINEERING & CONSTRUCTION INDUSTRY (PART I - REVIEW) ppt <a href="#">pdf</a>
<b>10:30-10:40</b>	Ljiljana Trumbulović, Ivana Čeković, Snežana Aksentijević, Branko Drndarević	<a href="#">POTENTIAL FOR USING BIOGAS FOR ELECTRICITY PRODUCTION</a>
<b>10:40-10:50</b>	Suzana Draganić, Mirjana Laban, Meri Cvetkovska, Olivera Bukvić	<a href="#">FIRE RESISTANCE OF THE BUILDING STRUCTURE AS A PASSIVE FIRE PROTECTION MEASURE</a>
<b>10:50-11:00</b>	Snežana Aksentijević, Ivana Čeković, Ljiljana Trumbulović,	<a href="#">EXAMINATION OF AIR QUALITY IN THE ASPHALT PRODUCTION PROCESS</a>

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	Branko Drdarević	
<b>11:00-11:10</b>	<b>Questions and discussion</b>	
<b>11:10-11:20</b>	Svetomir Simonović	<a href="#"><u>ON MAIN MEMORY PROTECTION IN X86 PROCESSOR ARCHITECTURE</u></a>
<b>11:20-11:30</b>	Annmarie Chizewski, Senka Bajić	<a href="#"><u>THE ROLE OF PERSONALITY IN FIREFIGHTER PHYSICAL FITNESS AND OCCUPATIONAL PERFORMANCE</u></a>
<b>11:30-11:40</b>	Petar Stojilkovic Jelena Malenović Nikolić	<a href="#"><u>BURNOUT AT WORK IN THE AUTO INDUSTRY IN THE REPUBLIC OF SERBIA</u></a>
<b>11:40-11:50</b>	Jelena Malenović-Nikolić, Uglješa Jovanović, Petar Stojilković	<a href="#"><u>ANALYSIS OF THE IMPACT OF THE ORGANIZATIONAL FACTORS OF THE WORK ENVIRONMENT SYSTEM ON THE SAFETY INDICATORS OF WORKERS EXPOSED TO ELECTRICITY</u></a>
<b>11:50-12:00</b>	Jelena Malenović-Nikolić, Lidija Milošević, Petar Stojilković	<a href="#"><u>IMPACT OF WORK ENVIRONMENT FACTORS AND INDICATORS ON MANAGEMENT SYSTEM FUNCTIONING AND FIRE SAFETY</u></a>
<b>12:00-12:10</b>	<b>Questions and discussion</b>	
<b>12:10-12:20</b>	Aleksandar Petković, Jovan Ilić	<a href="#"><u>TRANSIENT OPERATION OF SHPP KURŠUMLIJA AND SELECTION OF PROTECTIVE MEASURES</u></a>
<b>12:20-12:30</b>	Anita Petrović, Petra Tanović, Vesna Petrović, Dušan Gavanski	<a href="#"><u>PERSPECTIVE ON CLIMATE CHANGE IN THE BALKAN REGION</u></a>
<b>12:30-12:40</b>	Saša Spaić, Tatjana Božović, Ivan Bilić	<a href="#"><u>FIRE-RESCUE INTERVENTIONS IN THE NORTH BANAT ADMINISTRATIVE DISTRICT FOR THE PERIOD 2018-2022</u></a>
<b>12:40-12:50</b>	Davor Pele, Petra Tanović	<a href="#"><u>PROPOSAL FOR A MODEL OF PROTECTION AGAINST ELEMENTARY ACCIDENTS FOR THE CLINICAL CENTER OF VOJVODINA HOSPITAL IN MIŠELUK</u></a>
<b>12:50-13:00</b>	<b>Questions and discussion</b>	

**PAUSE – 13:00-14:00**

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<b>IV Session – 14:00-17:30</b>		
<b>Chairman: PhD Vladimir Blanuša and PhD Ranko Antunović</b>		
Time	Author	The title of the paper
<b>POSTER PRESENTATION</b>		
<b>14:00-14:10</b>	Aleksandar Petkovic, Miodrag Stanojevic, Jovan Ilic	<a href="#"><u>REFURBISHMENT OF SHPP KURŠUMLIJA</u></a>
<b>14:10-14:20</b>	Ljubica Lazić Vulićević, Miodrag Kovačević	<a href="#"><u>MECHANICAL PROPERTIES ANALYSIS AND FAILURE RISK ASSESSMENT OF A WELDED PIPE FROM AN OIL WELL</u></a>
<b>14:20-14:30</b>	Matilda Lazić, Miodrag Kovačević	<a href="#"><u>TESTING OF POROSITY AND POROUS STRUCTURE OF NiO- Al<sub>2</sub>O<sub>3</sub> CATALYST PREPARED BY MECHANICAL MIXING OF THE COMPONENTS IN ORDER TO ASSESS THE POSSIBILITY OF APPLICATION IN COMMERCIAL CATALYTIC TECHNOLOGIES</u></a>
<b>14:30-14:40</b>	Matilda Lazić, Miodrag Kovačević	<a href="#"><u>ANALYSIS OF THE REGISTRY OF SEVESO PLANTS IN THE REPUBLIC OF SERBIA</u></a>
<b>14:40-14:50</b>	Martina Petković, Goran Đorđević, Andrea Mijatović, Mirko Tomić, Anita Klikovac	<a href="#"><u>INSPECTION SUPERVISION IN THE FIELD OF FIRE PROTECTION ACCORDING TO THE LAW ON INSPECTION SUPERVISION AND ELEMENTS OF RISK ASSESSMEN</u></a>
<b>14:50-15:00</b>	<b>Questions and discussion</b>	
<b>15:00-15:10</b>	Ranko Antunović	<a href="#"><u>ADVANCED METHODS OF VIBRATION DIAGNOSTICS OF ROTATING MACHINERY</u></a>
<b>15:10-15:20</b>	Željko Eremić, Iris Borjanović	<a href="#"><u>AI SUPPORTED SOLUTION FOR HEALTH RISK ASSESSMENT USING WEB APPLICATION AND AIR QUALITY DETECTOR</u></a>
<b>15:20-15:30</b>	Željko Eremić, Milana Drašković	<a href="#"><u>TESTING THE CAPABILITIES OF GPT-4O FOR ANALYSIS OF RAW MILK QUALITY PARAMETERS</u></a>
<b>15:30-15:40</b>	Petra Balaban, Dejan Viduka, Vladimir Kraguljac	<a href="#"><u>IMPACT OF USER EXPERIENCES ON PRODUCT (RE)DESIGN</u></a>
<b>15:40-15:50</b>	Milana Drašković, Danijela Jašin,	<a href="#"><u>THE POSSIBILITY OF USING PERLITE IN THE PRODUCTION</u></a>

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	Milada Novaković	<a href="#"><u>OF ABRASIVES FOR POLISHING SURFACES</u></a>
<b>15:50-16:00</b>	<b>Questions and discussion</b>	
<b>16:00-16:10</b>	Marko Katinić, Ivan Dunder, Pejo Konjatić, Antonija Brkić	<a href="#"><u>NUMERICAL ANALYSIS OF THE LIMIT PRESSURE OF AXIALLY CRACKED PIPES</u></a>
<b>16:10-16:20</b>	Daniela Ristić, Danijela Jeremić	<a href="#"><u>DEFICIENCIES IN THE APPLICATION OF THE LAW IN THE FIELD OF OCCUPATION SAFETY AND HEALTH</u></a>
<b>16:20-16:30</b>	Biljana Gemović	<a href="#"><u>OCCUPATIONAL SAFETY AND HEALTH STRATEGY IN THE REPUBLIC OF SERBIA AND NEW CHALLENGES</u></a>
<b>16:30-16:40</b>	Goran Savić	<a href="#"><u>TEXT CLASSIFICATION USING TRADITIONAL MACHINE LEARNING</u></a>
<b>16:40-16:50</b>	Božo Ilić, Branko Savić, Dragan Rastovac, Jovan Vujic	<a href="#"><u>TURBOGENERATOR DIAGNOSTIC</u></a>
<b>16:50-17:00</b>	Milica Grbić, Isidora Milošević	<a href="#"><u>PRINCIPLES OF IDENTIFICATION SYSTEMS</u></a>
<b>17:00-17:10</b>	Milica Grbić, Isidora Milošević	<a href="#"><u>BIOMETRIC IDENTIFICATION SYSTEMS</u></a>
<b>17:20-17:30</b>	<b>Questions and discussion</b>	

**29.08.2024.**

<b>V Session - 10:00-13:00</b>	
<b>Chairman: PhD Branislav Santrač</b>	
<b>10:00-13:00</b>	<a href="#"><u>STUDENT SESSION</u></a>

**PAUSE – 13:00-15:00**

<b>VI Sesion - 15:00-18:00</b>	
<b>Chairman: PhD Dušan Gavanski</b>	
<b>15:00-18:00</b>	<a href="#"><u>STUDENT SESSION</u></a>

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<b>VI Sesion - 10:00-12:00</b>	
<b>Chairman:</b> <b>MSc Srđan Dimitrov and MSc Sibila Arbutina - Petenji</b>	
<b>10:00-12:00</b>	<b><u>STUDENT SESSION</u></b>