



TECHNICAL FACULTY "MIHAJLO PUPIN" ZRENJANIN,
UNIVERSITY OF NOVI SAD,
REPUBLIC OF SERBIA



CONFERENCE AGENDA

Venue:

Technical Faculty "Mihajlo Pupin" Zrenjanin,
October, 6-7th, 2022, Meeting room 35, II floor

Thursday, 06.10.2022.	
15.00 - 17.00h	Registration
18.00h	Welcoming coctail
Friday, 07.10.2022.	
9.00 – 10.00h	<i>Registration</i>
10.00 – 10.30h	<i>OPENING of the XII International conference on Industrial Engeenering and Environement Protection</i> Ph.D Dragica Radosav, Dean of the TF “Mihajlo Pupin” Ph.D Visnja Mihajlovic, President of the Organizing Committee
PLENARY SESSION	
10.30 -12.00h	Chairs: Visnja Mihajlovic, Slavica Prvulovic
	COMPACT UHF AMATEUR RADIO QUAD ANTENNA FOR INDOOR USE Tomislav Barić, Hrvoje Glavas
	SEISMIC VULNERABILITY OF MASONRY BUILDINGS BASED ON CALCULATION OF STRUCUTRAL DAMAGES Marijana Hadzima-Nyarko, Gordana Pavić, Držislav Vidaković, Ema Pušić
	UTILIZATION OF PM PREVENTION MEASURES ON CONSTRUCTION SITES IN NOVI SAD DURING 2021 Miljan Šunjević, Boris Obrovski, Vladimir Rajs, Milena Šunjević
	MAIN WAYS ON WHICH STAINLESS STEELS COULD CORRODE Zoran Karastojković, Jasmina Pekez, Milan Miladinov
12.00 - 12.30h	<i>Coffee break</i>
12.30 - 14.00h	<i>ORAL/POSTER PRESENTATION Chairs: Mića Đurđev, Jasna Tolmač</i>
14.00 - 15.00h	<i>Lunch break</i>
15.00 - 15.30h	<i>Conclusions of the conference and closing ceremony</i>

ORAL/POSTER PRESENTATION

Session 1. Mechanical Engineering		
ROLE OF DIGITALISATION IN INDUSTRIALIZATION OF NEW EQUIPMENT	Vojislav Ljubinkovic	Continental Serbia
EXAMINING THE VALIDITY OF THE ES-EVT MODEL	Nenad Novaković	Faculty of Technical Sciences, University of Novi Sad, Serbia
DETERMINATION OF THE CRITICAL VELOCITY OF A FLUID FLOWING IN A NANOTUBE RESTING ON VISCOELASTIC FOUNDATION	Dimitar Lolov, Svetlana Lilkova-Markova	University of Architecture, Civil Engineering and Geodesy, Faculty of Hydraulic Engineering, Sofia, Bulgaria
METHODOLOGY FOR DETERMINING DIFFERENCES OF IMPELLER SHAFT TURBINE UNI	Slobodan Juric, Slavica Prvulovic, Jasna Tolmac, Milos Josimovic, Milica Josimovic	High school "CEPS-Center for Business Studies" Kiseljak, Bosnia and Herzegovina University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
DEVELOPMENT OF THE MOLD DESIGN USING FRAME RULE REASONING	Ivan Matin, Branko Štrbac, Miloš Ranisavljev, Miodrag Hadžistević	University of Novi Sad, Technical Faculty Sciences, Novi Sad, Serbia
NEW DRYING SYSTEM CONCEPT OF SHELLED HAZELNUT	Mukrimin S. Guney, Musa Demir, Birkut Güler, Hakan Adatepe, Sertan Turan	University of Giresun, Engineering Faculty Giresun, Türkiye Kocaeli Health and Technology University
MODELLING AND ANALYZES THE CATENARY SUSPENSION IN RAILWAY ELECTRIC TRACTION	Cristina Miklos, Imre Zsolt Miklos	University Politehnica Timisoara, Faculty of Engineering Hunedoara, Romania
HARDNESS TEST OF 3D PRINTED WORK PIECE FROM PLA PLASTIC	Dušan Jovanić, Valentina Mladenović, Dragan Halas	Technical College of Applied Sciences, Zrenjanin, Serbia
INVESTIGATION OF SHAPE ACCURACY OF SELECTIVE LASER MELTED Ti6Al4V LATTICE STRUCTURE BY COMPUTER TOMOGRAPHY	Gergely Dezső, Ferenc Szigeti	University of Nyíregyháza, Institute of Engineering and Agriculture, Department of Physics
DESIGN PROCESS, OPTIMIZATION, AND LIFE-CYCLE ASSESSMENT OF THE MULTIPURPOSE BAG CLIP	Ivan Grgić, Jure Marijić, Marko Vilić, Mirko Karakašić, Eleonora Desnica, Jurica Semenić	University of Slavonski Brod, Mechanical Engineering Faculty in Slavonski Brod, Slavonski Brod, Croatia University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia University North, University Center Varaždin, Varaždin, Croatia
COMPARISON OF FAILURE DURATION AND FAILURE FREQUENCY OF MINING MACHINES USING THE KRUSKAL-WALLIS H TEST (ONE-WAY ANOVA ON RANKS) - PRELIMINARY RESEARCH	Martina Perišić, Neda Papić, Mirjana Misita, Vesna Spasojević Brkić, Nemanja Janev	University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia
APPLICATION OF DIFFERENTIAL EQUATIONS IN VIBRATION ANALYSIS	Ljiljana Pecić, Violeta Đorđević, Marko Milivojčević	Academy of Technical and Art Applied Studies Belgrade, department School of Electrical and Computing Engineering, Belgrade, Serbia

Session 2. Energetics and Process Technique		
COMPARISON BETWEEN FOUR AND FIVE PARAMETERS SORPTION ISOTHERM MODELS	Vangelce Mitrevski, Cvetanka Mitrevska, Ljupco Trajcevski	University St.Kliment Ohridski, Faculty of Technical Sciences, Bitola, North Macedonia International Slavic University Gavriilo Romanovic Derzavin
THE INCREASE IN ENERGY EFFICIENCY OF (NANO)MATERIALS BY IMPROVING THEIR SUPERCONDUCTING PROPERTIES	Dušan I. Ilić, Jovan P. Šetrajić, Siniša M. Vučenović	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia Academy of Sciences and Arts of the Republic of Srpska, Banja Luka, B&H University of Banja Luka, Faculty of Natural Sciences and Mathematics, Banja Luka, B&H
INFLUENCE OF SUNSPACE PARTITION WALL THERMAL MASS ON THE ENERGY EFFICIENCY OF INDIVIDUAL RESIDENTIAL BUILDINGS	Ana Vukadinović, Jasmina Radosavljević, Amelija Đorđević, Milan Protić	University of Niš, Faculty of Occupational Safety in Niš, Serbia
ENERGY RECOVERY POSSIBILITIES DURING WORKING CYCLE OF WHEEL LOADERS	Jovan Pavlović, Vesna Jovanović, Nikola Petrović	University of Niš, Faculty of Mechanical Engineering
CONCEPTS FOR MUNICIPAL ENERGY COMMUNITIES IN AUSTRIA	Momir Tabakovic, Mihajlo Keseric	University of Applied Sciences Technikum Wien
ANALYSIS OF INSPECTION PLAN OF AIR COOLED HEAT EXCHANGER FOR NEEDS OF MAINTANCE AND SAFETY OF OIL&GAS PLANTS	Marko Jaric, Sanja Petronic, Nikola Budimir, Suzana Polic, Katarina Colic	Innovation Centre of the Faculty of Mechanical Engineering, University of Belgrade, Serbia The Academy of applied technical studies Belgrade, Serbia National Museum, Belgrade, Serbia
HERB DRYING AT DIFFERENT TEMPERATURES	Nina Đapić	Technical Faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Serbia
BIOMASS PYROLYSIS AND GASIFICATION MODELING WITH COCO SIMULATOR	Emilija Dejanoska, Filip Todorovski, Mitja Mori, Andrej Senegačnik, Mihael Sekavčnik, Boštjan Drobnič	University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia
ENVIRONMENTAL IMPACT ASSESSMENT OF PROTON EXCHANGE MEMBRANE FUEL CELL WITH ECO-DESIGN STRATEGIES FOR REALISTIC SHORT-TERM CONCEPT	Rok Stropnik, Felipe Campos-Carriedo, Jure Gramc, Andrej Lotrič, Laurent Rey, Eleonora Bargiacchi, Diego Iribarren, Javier Dufour, Mitja Mori	University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia IMDEA Energy, Systems Analysis Unit, E-28935 Móstoles, Spain
Session 3. Designing and Maintenance		
CONNECTION AND COMMUNICATION IN THE CLUSTER OF BUILDINGS AND MECHANIZATIONS MAINTENANCE FOR THE REGIONAL COOPERATION	Krešimir Lacković, Zlatko Lacković, Milan Ivanović	University of North, Centre Koprivnica – Croatia Panon – think tank for strategic studies, Osijek – Croatia

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APPROACH TO DEVELOPMENT OF THE LEAN CONCEPT PROJECT	Bogdan Marić, Vlado Medaković	University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, East Sarajevo, Bosnia & Herzegovina
REPAIR PROCEDURE OF CORE CASTING MACHINE-SHALCO U180	Eleonora Desnica, Dragan Brkin, Mića Đurđev, Ivan Palinkaš	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
BASIC ASPECTS OF DESIGNING EXPLOITATION AND MAINTENANCE OF GRAIN STORAGE	Jasna Tolmac, Slavica Prvulovic, Vladimir Sinik, Milan Markovic	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
ACTIVE SAFETY OF MODERN TRUCKS AND EXAMPLES OF INCIDENTS	Ervin Molnar, Jovan Dorić	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
METHODS OF CALCULATING THE VOLUME OF THE PRESSURE TANK FOR THE PROTECTION OF PIPELINES AGAINST HYDRAULIC IMPACT	Jovana Radnović, Ljiljana Radovanović, Ivan Palinkaš, Jasmina Perišić	MUP R.Srbije, PPU Zrenjanin University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia Faculty of Informatics and Computer science, Belgrade, Serbia
Session 4. Health and Environmental Protection		
EVALUATION OF AZOLLA AQUATIC MACROPHYTE POTENTIAL IN PYRENE AND PHENANTHRENE ACCUMULATION AND PHYTOREMEDIATION IN CONTAMINATED WATERS	Mohammad Ali Zazouli, Alireza Ala, Somayeh Asghari, Esmaeil Babanezhad	Department of Environmental Health Engineering, Faculty of Public Health, Mazandaran University of Medical Sciences, Sari, Iran Health Sciences Research Center, Student Research Committee, Mazandaran University of Medical Sciences, Sari, Iran Health Sciences Research Center, Mazandaran University of Medical Sciences, Sari, Iran
ANALYSIS OF AIR POLLUTION WITH R LANGUAGE	Zoltan Kazi, Snežana Filip, Maria Kazi, Dragana Banović	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
LITHIUM ION BATTERY RECYCLING AND STATE IN THE REPUBLIC OF SERBIA	Snežana Filip, Branislav Leleš, Zoltan Kazi	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
MACROPHYTES AS INDICATORS OF ECOLOGICAL STATE OF SURFACE WATER	Ivana Krtolica, Snežana Radulović, Dušanka Cvijanović	The Institute for Artificial Intelligence Research and Development of Serbia, Novi Sad, Serbia University of Novi Sad, Faculty of Sciences, Department of Biology and Ecology, Serbia
AGRICULTURE AND THE IMPACT OF AN INVISIBLE THREAT	Timotei Bogdan Bacoș, Adrian Eugen Cioablă, Francisc Popescu	University Politehnica Timisoara, Faculty of Mechanical Engineering, Timisoara, Romania
BIOGAS APPLICATIONS AT SMALL LABORATORY SCALE: COMPARATIVE TESTING FOR DIFFERENT MATERIAL SOLUTIONS	Bogdan Timotei Bacoș, Bogdana Vujić	Politehnica University Timisoara, Mechanical Engineering Faculty, Timisoara

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ENVIRONMENTAL RISK ASSESSMENT OF PHTHALATES IN SURFACE AND WASTEWATER	Sremački Maja, Nevena Živančev, Mirjana Vojinović Miloradov, Ivan Španik	University of Novi Sad, Faculty of technical sciences, Department for Environmental Engineering and Occupational Safety, Serbia Slovak University of Technology in Bratislava, Institute of Analytical Chemistry, Faculty of Chemical and Food Technology, Bratislava, Slovak Republic
IMPACT OF LANDFILL FIRES ON AIR QUALITY IN SERBIA	Igor Jezdimirović, Zoran Čepić, Nemanja Stanisavljević, Xiaoming Wang, Višnja Mihajlović	Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia Key Laboratory of Three Gorges Reservoir Region's Eco-Environment, Ministry of Education, Chongqing University, China
IMMOBILIZATION OF PB AND CD IN CONTAMINATED SOIL - EVALUATION OF DIFFERENT PHOSPHATE TREATMENTS	Višnja Mihajlović, Marina Naodović, Una Marčeta	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
KINETIC AND THERMODYNAMIC APPROACH OF STRONTIUM ADSORPTION ONTO ELECTRIC ARC FURNACE SLAG	Milena Tadić, Irena Nikolić, Dijana Đurović, Nevena Cupara, Ivana Milašević	University of Montenegro, Faculty of metallurgy and Technology, Podgorica, Montenegro Institute of Public Health of Montenegro, Podgorica, Montenegro
HEAVY METALS CONTENT IN SOIL AND VEGETABLES IN THE VICINITY OF MINE OF LEAD AND ZINC (MONTENEGRO): CONTAMINATION OF SOIL AND HEALTH RISK ASSESSMENT	Nevena Cupara, Irena Nikolić, Dijana Đurović, Ivana Milašević, Sladjana Krivokapić	Institute of Public Health of Montenegro, Podgorica, Montenegro University of Montenegro, Faculty of Science and Mathematics, Podgorica, Montenegro University of Montenegro, Faculty of Metallurgy and Technology, Podgorica, Montenegro University Donja Gorica, Faculty for Food Technology, Food Safety and Ecology, Podgorica, Montenegro
RECYCLED PLASTIC CONSTRUCTION BLOCKS AND BRICKS	Jasmina Radosavljević, Ana Vukadinović, Amelija Đorđević	University of Nis, Faculty of Occupational Safety in Niš, Niš, Serbia
AIR QUALITY MONITORING SYSTEM IN THE CITY OF BELGRADE	Adrijana Babić, Zoran Čepić, Jelena Radonić, Zorana J. Andersen	Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia Section of Environmental Health, Dept of Public Health, University of Copenhagen, Copenhagen, Denmark
AIR QUALITY ASSESSMENT OF TYPICAL LARGE COAL FIRED ROMANIAN STEAM BOILERS WITH POSSIBLE BIOMASS CO-FIRING SOLUTION FOR ENVIRONMENTAL IMPACT REDUCTION	Francisc Popescu, Bogdana Vujić, Una Marčeta	University Politehnica Timisoara, Timisoara, Romania University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
REMOVAL OF POLYETHYLENE AND POLYVINYL CHLORIDE FROM THE SURFACE WATER BY COAGULATION AND FLOCCULATION	Sanja Vasiljević, Raša Tomić, Maja Vujić, Jasmina Agbaba, Aleksandra Tubić	University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia
INTEGRATED AIR QUALITY MONITORING IN	Srećko Čurčić	University of Kragujevac, Faculty technical science in Čačak,

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ENVIRONMENTAL IMPACTS OF RECYCLED PLASTIC FROM FISHING NETS AND LIMITATIONS OF THE LCA APPROACH	Jure Gramc, Leja Goljat, Mitja Mori	University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia Research and Innovation Department, Plastika Skaza d.o.o., Velenje
BIOCHEMICAL PROPERTIES OF SINGLE AND MIXED FUNGI CULTURES AS REACTION TO THE PRESENCE OF SODIUM TRIPOLYPHOSPHATE	Violeta Jakovljević	State University of Novi Pazar, Department of Natural-Mathematics Sciences, Novi Pazar, Serbia
Session 5. Environmental Management and Occupational Safety		
MULTICRITERIA ANALYSIS OF PREVENTIVE MEASURES IN ORDER TO REDUCE THE RISK OF ACCIDENTS IN MINES WITH SURFACE OPERATIONS	Dejan Bogdanović	University of Belgrade, Technical Faculty in Bor, Bor, Serbia
DEVELOPING A METHODOLOGY FOR ESTIMATING THE COSTS OF ACCIDENTS AND ILLNESSES AT THE WORKPLACE	Ljupco Trajcevski, Vangelce Mitrevski, Cvetanka Mitrevska	University St.Kliment Ohridski, Faculty of Technical Sciences, Bitola, North Macedonia International Slavic University Gavrilko Romanovic Derzavin, Faculty of Technical Sciences, "Mother Teresa" University, Skopje, MK,
KNOWLEDGE ASSESSMENT OF WASTE MANAGEMENT WORKERS IN DEBAR REGARDING OCCUPATIONAL SAFETY AND HEALTH	Hadisa Nasufi, Monika Lutovska, Vladimir Mijakovski	Faculty of Technical Sciences, University „St. Kliment Ohridski”, Bitola, MK;
ASSESSMENT OF BUILDING STOCK: CASE STUDY OF NOVI SAD	Nikola Karanovic	University of Aveiro, Portugal
BIOGAS APPLICATIONS AT SMALL LABORATORY SCALE: COMPARATIVE TESTING FOR DIFFERENT MATERIAL SOLUTIONS	Bogdan Timotei Bacoş, Bogdana Vujić	Politehnica University Timisoara, Mechanical Engineering Faculty, Timisoara
GREEN MANAGEMENT OF HUMAN RESOURCES AND GREEN BEHAVIOR OF EMPLOYEES IN MODERN ORGANIZATIONS	Dragana Kovač, Edit Terek Stojanović, Mila Kavalić, Verica Gluvakov, Maja Gaborov	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
SIGNIFICANCE OF CONTROL INSPECTIONS OF ELECTRIC TWO-GIRDER BRIDGE CRANE IN ORDER TO INCREASE SAFETY AND SECURITY AT WORK	Jarčević Duška, Ljiljana Radovanović, Jasmina Perišić	JP Elektroprivreda Srbije, Branch Panonske TE-TO, TE-TO Zrenjanin, Serbia University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia Faculty of Informatics and Computer science, Belgrade, Serbia
ROBUSTNESS ESTIMATION OF DISCRETE SYSTEMS WITH UNCERTAIN PARAMETERS	Bojana M. Zlatković, Biljana Samardžić	University of Niš, The Faculty of Occupational Safety, Nis, Serbia University of Niš, The Faculty of Science and Mathematics, Nis, Serbia

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SENSITIVITY OF MIMO CASCADE NONLINEAR SYSTEMS TO PARAMETER VARIATIONS	Bojana M. Zlatković, Biljana Samardžić	University of Niš, The Faculty of Occupational Safety, Nis, Serbia University of Niš, The Faculty of Science and Mathematics, Nis, Serbia
Session 6. Engineering Management		
COMPARATIVE RESEARCH OF THE APPLICATION OF THE INDUSTRY 4.0 CONCEPT IN THE WORLD AND SERBIA'S ECONOMY	Dragan D. Milanovic, Svetlana Dabic Miletic, Ljiljana Pecic	University of Belgrade, Faculty of Mechanical Engineering, University of Belgrade, Faculty of Traffic, Academy of Technical and Art Applied Studies Belgrade
MODELING OF MASHHAD HEALTH TOURISM USING ISM	Ali Reza Afshari, Ahmad Baghi, Sanja Stanisavljev	Department of Management, Shirvan Branch, Islamic Azad University, Shirvan, Iran. University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia.
ENTREPRENEURIAL BEHAVIOR AS A PREREQUISITE FOR THE DEVELOPMENT OF MODERN BUSINESS	Mihalj Bakator, Dejan Đorđević, Dragan Čočkalo, Sanja Stanisavljev, Dragana Kovač, Edit Terek Stojanović	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
SUSTAINABLE BUSINESS IN THE CONDITIONS OF GLOBAL CHANGE	Dejan Đorđević, Dragan Čočkalo, Cariša Bešić, Mihalj Bakator, Ljiljana Đorđević	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia University of Kragujevac, Faculty of Technical Sciences Čačak, Serbia Environmental Protection Agency, Serbia
BUILDING MANAGEMENT - MODERN TENDENCIES	Stanko P. Stankov	University of Niš, Faculty of Electronic Engineering, Niš, Serbia
Session 7. Students session		
THE ROLE OF ORGANIZATIONAL BEHAVIOR IN THE DEVELOPMENT OF QUALITY AND RESPONSIBLE BUSINESS	Biljana Maljugić, Srđana Taboroši	Technical Faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad, Serbia
AUTOMOTIVE ERGONOMIC, THERMAL ANALYSIS OF DIFFERENT DRIVING POSITIONS	Alexandru Dumitru Antonie, Adrian Eugen Cioablă, Luisa Izabel Dungan	University Politehnica Timisoara, Faculty of Mechanical Engineering, Timisoara, Romania
THE IMPORTANCE OF ENVIRONMENTAL MANAGEMENT AND PROTECTION IN THE FOOD INDUSTRY WITH THE APPLICATION OF INDUSTRY 5.0	Aleksandra Kovačević	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
RISK MANAGEMENT IN CRISIS TIMES	Biljana Maljugić, Marija Matotek Anđelić	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia Technical College of Applied Studies in Zrenjanin, Republic of Serbia

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THE ROLE OF CONSULTING ORGANIZATIONS IN THE INTRODUCTION OF QUALITY 5.0	Dijana Tadić Stanić	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
THE INFLUENCE OF THE FOURTH AND FIFTH INDUSTRIAL REVOLUTIONS ON CONSULTANCY COMPANIES	Dijana Tadić Stanić	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
TECHNO-ECONOMIC ANALYSIS OF THE SOLAR POWER PLANT IN THE TOWN OF ZRENJANIN	Luka Đorđević, Jasmina Pekez, Borivoj Novaković, Mića Đurđev, Dejan Bajić	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
SOLAR ENERGY AND ENERGETIC INDEPENDENCE OF AN OBJECT	Dejan Bajić, Luka Đorđević, Borivoj Novaković, Milan Marković, Verica Gluvakov	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia