



PROGRAM

Utorak/Tuesday 17.10.2017.

14:00÷16:30

Registracija učesnika /Registration of participants

SVEČANO OTVARANJE / OPENING CEREMONY

17:00÷18:00

dr Milan Radovanović, President of the Society of Thermal Engineers of Serbia

dr Mirjana Laković, President of the Organizing committee

dr Nenad Pavlović, Dean of the Faculty of Mechanical Engineering in Niš

dr Vlastimir Nikolić, Vice-rector of the University of Niš

dr Nenad Popović, Minister without portfolio responsible for innovation and technological development

Darko Bulatović, Niš City Mayor

dr Miloš Banjac, Assistant Minister - Department of Energy Efficiency and Renewable Energy Sources

Representatives of the Universities and Faculties of Mechanical Engineering in Niš, Belgrade, Banja Luka, Zagreb, Podgorica, Skopje, Bitola

PLENARNA SESIJA / PLENARY SESSION

18:00÷19:00

dr Miodrag M. Mesarović

Energoprojekt Entel, Belgrade, Serbia

Evidential Reasoning Approach as a Tool for Use in Thermal Engineering Research

Prof. dr Peter Novak

**Faculty for Technologies and Systems, Novo Mesto, Slovenia,
Energy System for Tomorrow - Role of Exergy**

Prof. dr Dragan Povrenović

Tehnološko-metaluruški fakultet, Univerzitet u Beogradu

Takmičenje Za Najbolju Tehnološku Inovaciju U Funkciji Lokalnog Razvoja

19:00÷20:00

KOKTEL DOBRODOŠLICE / WELCOMING COCTAIL



Sreda/Wednesday 18.10.2017.

KONGRESNA SALA / CONGRESS HALL

09:30÷10:30	<p>Anna Stoppato Energy storage: its role in the energy scenario</p> <p>Petar Gvero Biomass Pyrolysis as a Route in Energy Conversion and New Materials Production</p> <p><i>PREZENTACIJA SPONZORA/ PRESENTATION OF THE SPONSOR</i></p>
10:30÷10:45	<i>Kafe pauza/Coffe break</i>
10:45÷12:30	<p>Miloš Banjac, Mirjana Laković Introduction of the Energy Management System in the Industrial Sector of the Republic of Serbia - Achieved Results and Challenges</p> <p>Ljubo Mačić New Policy for New Energy Challenges</p> <p>Mirjana Laković, Miloš Banjac Thermal Power Plants in Serbia - Environmental Protection and Production Stability Joint Effort</p> <p><i>PREZENTACIJA GENERALNOG SPONZORA/ PRESENTATION OF THE GENERAL SPONSOR POWER B.N.M</i></p>
12:30÷12:45	<i>Kafe pauza / Coffe break</i>
PANEL	
SADAŠNJE STANJE I PERSPEKTIVE DALJINSKOG GREJANJA U SRBIJI	
Predsedavajući: Milovan Lečić -direktor Poslovnog udruženja Toplane Srbije	
12:45÷14:15	<ol style="list-style-type: none"> 1. Primena Gasne Kogeneracije U Sistemu Daljinskog Grejanja Novog Sada Dušan Macura - Rukovodilac Sektora Za Proizvodnju I Distribuciju Toplotne Energije Jkp "Novosadska Toplana"; 2. Kvalitet Vode – Faktor Efikasnosti Postrojenja Bojan Sretenović, Direktor Ovex Inženjering; 3. Tarifne Funkcije Pri Merenju I Naplati Toplotne Energije Branko Crnčević - Termonet Doo, Predstavnik Kamstrup A/S – Danska; 4. Izazovi U Primeni Delitelja Troškova Toplotne Energije” Milan Stošić-Izvršni Direktor Za Tehničke Poslove Jkp “Toplana- Šabac” Šabac; 5. “Implementacija Metodologije Za Određivanje Cene Snabdevanja Krajnjeg Kupca Toplotnom Energijom” Dejan Stojanović, Član Saveta Agencije Za Energetiku Republike Srbije.
14:15÷14:45	Koktel / Cocktail



Sreda / Wednesday 18.10.2017, KONGRESNA SALA / CONGRESS HALL	
ENERGY MANAGEMENT IN INDUSTRY AND BUILDINGS	
Chairmans: dr Valentino Stojkovski, dr Maja Todorović	
16:00÷17:30	<p>Convergence between Cost-Optimality and Nearly Zero-Energy Buildings, <i>Marko Serafimov, Filip Mojsovski, Igor Shesho</i></p> <p>Energy Management System (EnMS) – Case of Energy Source Substitution in Primary School Building, <i>Igor Andreevski, Vangelce Mitrevski, Sevede Stavreva, Cvete Dimitrieska, Oliver Slivoski</i></p> <p>Challenges While Implementing an Energy Management System in a Refractory Industry, <i>Ana M. Lazarevska, Zlatko Gjurchinoski, Atanasko Tuneski</i></p> <p>Optimisation of Heating Structure in Urban Areas, <i>Igor K. Shesho, Risto V. Filkoski, Done J. Tashevski, Dame M. Dimitrovski</i></p> <p>Technical Monitoring Results after Energy Efficiency Investment for University of Food Technologies, <i>G. I. Valtchev, V. D. Rasheva, N. G. Kalojanov, M. S. Minchev, S. Tz. Tasheva</i></p> <p>Techno-Economic Optimization of Configuration and Capacity of a Polygeneration System for the Energy Demands of a Public Swimming Pool Building, <i>Marko Mančić, Dragoljub Živković, Milan Đorđević, Milena Jovanović, Milena Rajić, Dejan Mitrović</i></p> <p>Economic multi-objective optimization of water demineralization plant with ejector refrigeration cycle, <i>Andrija Petrovic, Jovan Filipovic, Aleksandar Petrovic</i></p> <p>Analysis of the Impact of Orientation and Building Envelope Characteristics on Energy Consumption of Office Building, <i>Miomir Vasov, Jelena Stevanović, Veliborka Bogdanović, Marko Ignjatović, Dušan Ranđelović</i></p> <p>Energy performance certification and cfd simulations of thermal comfort in non-residential building, <i>T. S. Bajc, D. D. Dosti, M. N. Todorović</i></p> <p>Ventilated facade - visual symbol of energy efficiency, <i>Janja Brankovića, Dragana Dimitrijević Jovanović, Predrag Živković</i></p>
MALA SALA / SMALL HALL	
ENERGY AND ENVIRONMENTAL ASPECTS OF TRANSPORT	
Chairmans: dr Stojan Petrović, dr Radivoje Pešić	
09:00÷13:00	<p style="text-align: center;">KEYNOTE LECTURE</p> <p style="text-align: center;">dr Stojan Petrović, SWOT Analysis of Potential Vehicle Power Systems</p> <p>Development of Fuel Feed and Electronic Control Systems for High-Speed and Medium-Speed Gas Diesel Engines, <i>Mikhail G. Shatrov, Vladimir V. Sinyavski, Ivan G. Shishlov, Andrey V. Vakulenko</i></p> <p>A Control Method of Fuel Distribution by Combustion Chamber Zones and Its Dependence on Injection Conditions, <i>Mikhail G. Shatrov, Valery I. Malchuk, Andrey U. Dunin, Ivan G. Shishlov</i></p> <p>The Road Transportation Effects on Climate Change for Ankara Province of Turkey, <i>Ali Can</i></p> <p>Electric Energy Consumption and Recuperation on E-bus in Different Exploitation Condition, <i>Slobodan Mišanović, Jasna Glišović, Dragan Taranović, Radivoje Pešić</i></p> <p>Load Analysis of Crankshaft Drive with the Use Computer Simulation, <i>Luka Vujičić, Jovan Dorić, Nebojša Nikolić</i></p> <p>Simulation of Working Process in New I.C. Engine, <i>Jovan Dorić, Nebojša Nikolić, Luka Vujičić</i></p> <p>Dynamic Programming Study of a Hybrid Electric Powertrain System for a Transit Bus, <i>Marko N. Kitanović, Slobodan J. Popović, Nenad L. Miljić, Predrag D. Mrđa</i></p> <p>Effect of Biodiesel on Diesel Engine Emissions, <i>B. Nikolić, B. Kegl, S. Milanović, M. Jovanović, M. Milošević</i></p> <p>Energy and Ecology, <i>Radivoje Pešić, Snežana Petković, Emila Hnatko, Radmilo Stefanović, Stevan Veinović</i></p> <p>Some Energetic and Ecological Aspects of Diferent City Bus Drive Systems, <i>Miroљub Tomić et al</i></p>
16:00÷17:30	IZLAGANJE STUDENTSKIH RADOVA/ STUDENT'S PAPERS
18:00	KONGRESNI KONCERT I PROMOCIJA KNJIGE Milana Radovanovića/ CONGRESS CONCERT- KVARTET FORTE



Četvrtak / Thursday 19.10.2017. - KONGRESNA SALA / CONGRESS HALL

MATHEMATICAL MODELING AND NUMERICAL SIMULATION
FLOW HEAT AND MASS TRANSFER

Chairmans: *dr Iliya K. Iliev, dr Predrag Rašković*

KEYNOTE LECTURE Zvonimir Guzović, M. Klun, Predrag Rašković
Micro-turbine of Organic Rankine Cycle (ORC) on Internal Combustion Engine (ICE) Waste Heat

Numerical Modeling of the Operation of a Two-Phase Thermosyphon with Heat Carrier Desalinated Water, *Veselka Kamburova, Ahmed Ahmedov, Iliya K. Iliev, Ivan Beloev, Mirjana Laković-Paunović*

Computer-Aided Modeling and Simulation of Cement Production Plant, *John Pius John, Tatiana Morosuk, George Tsatsaronis, Predrag Rašković*

Numerical Optimization of Pulverized Coal Furnace Sorbent Injection under Various Operating Conditions, *Ivan Tomanović, Srđan Belošević, Aleksandar Milićević, Nenad Crnomarković, Dragan Tucaković*

09:00÷11:15

Influential Parameters in the Investigation of Pressure Pulsations in a Pump-Turbine Draft Tube, *Zoran Markov, Viktor Iliev, Predrag Popovski, Aleksandar Gajić*

Ignition Timing Map Calibration Based on Nonlinear Dynamic System Identification using NARX Neural Network, *Predrag Mrđa, Nenad Miljić, Slobodan Popović, Marko Kitanović*

Modeling for pyrolysis of wood particles, *Biljana Miljković*

Numerical Simulation of Hybrid Nanofluid Flow in a Square Cross-Sectioned Horizontal Duct, *Mutlu Tekir, Recep Ekiciler, Kamil Arslan*

CFD Analyses to the Impact of the Pipe Connectors on the Flow Distribution in Parallel Short Pipelines, *Filip Stojkovski, Valentino Stojkovski, Aleksandar Nospal*

PREZENTACIJA SPONZORA/ PRESENTATION OF THE SPONSOR

11:15÷11:30

Kafe pauza / Coffe break

Chairmans: *dr Recep Ekiciler, dr Živojin Stamenković*

Entropy Generation of Zirconia-Water Nanofluid Flow through Rectangular Microchannel, *Cuneyt Uysal, Kamil Arslan, Huseyin Kurt*

Study of Thermal Stability and Degradation of Microcrystalline Nitrocellulose Isolated from Wood Fiber During its Ageing Using Different Isothermal Kinetic Models, *Mohammed Amin Dali, Damir Jerkovic, Narimane Rezgui*

Analysis of Nanofluid Flow and Heat Transfer Over 2D Backward-Facing Step Having Obstacle—A Finite Volume Methods, *Recep Ekiciler, Davut Buğra Ayaz, Kamil Arslan*

Flow-Thermal Calculation of the Condenser H-1217 in the Process of Extractive Distillation Butadiene in FSK Elemir, *Matilda Lazić, Duško Salemović, Aleksandar Dedić, Dragan Halas*

Application of “Two-Fluid” Model for Vertical Flow in Evaporator Tube Drift Analysis, *Ivana Kecman, Mirko Dobrnjac, Predrag Živković, Jovan Škundrić, Vladimir Stevanović, Milan Lečić*

11:30÷14:00

The Effect of Volume Fraction of SiO₂ Nanoparticle on Flow and Heat Transfer Characteristics in a Duct with Corrugated Backward-Facing Step, *Recep Ekiciler, Emre Aydeniz, Kamil Arslan*

Influence of electrical-conductivity of walls on MHD flow and heat transfer of micropolar fluid, *Miloš Kocić, Živojin Stamenković, Jelena Petrović, Milica Nikodijević*

The Exergy Destruction Splitting in Heat Transfer Engineering Devices, *Pavel Trubaev, Goran Vučković, Egor Zaytcev*

Flow and Heat Transfer of Three Immiscible Fluids in the Presence of Electric and Inclined Magnetic Field, *Živojin Stamenković, Miloš Kocić, Jelena Petrović, Milica Nikodijević*

PREZENTACIJA SPONZORA/ PRESENTATION OF THE SPONSOR



Četvrtak / Thursday 19.10.2017. - KONGRESNA SALA / CONGRESS HALL

RENEWABLE ENERGY SOURCES

TECHNOLOGIES AND PLANTS, AUTOMATICS AND CONTROL

Chairman: dr *Vladimir Mijakovski, dr Dragoslava Stojiljković*

15:00 -16:30

Exergy Efficiency of Solar Components and Systems, *Lana Jaramaz, Miloš Banjac*
 Review of Wind Energy Potential and Experiences from Operation of the First Wind Park in Republic of Macedonia, *Vladimir Mijakovski, Monika Lutovska, Zoran Trajkovski, Tale Geramičioski, Vangelče Mitrevski*
 Techno-economic Analysis of a Grid Connected PV and PV/Battery Power Systems Considering an Unreliable Electric Grid in Serbia, *Saša Stojković*
 Small-Scale Biodiesel Production – Attractive simplicity vs. rigorous quality standards, is there a solution?, *Pavle Hadžić, Vladimir Jovanović, Nebojša Manić, Dragoslava Stojiljković*
 Energy efficient refurbishment of educational buildings: Case study Niš, *Danica Stanković, Sanja Spasić Dorđević, Aleksandra Kostić, Hristina Krstić*
 Equipment for Obtaining Thermal Energy by Using Biomass, *Gabriela Matache, Ioan Pavel, Gheorghe Sovaiala, Mihai Alexandru Hristea*
 Most Suitable Sound Modulation of the Turbulent Axisymmetric Air Jet for Industrial Application, *Dejan Cvetinović, Rastko Jovanović, Jiří Vejražka, Jaroslav Tihon, Kazuyoshi Nakabe, Kazuya Tatsumi*
 Dry Extrusion Processing of Soybean Seeds for Their Superior Capitalization in Animal Feed, *Anișoara Păun, Carmen Brăcăcescu, Dumitru Milea, Alexandru Zaica*
 Solar Energy Measurement in Čačak, Central Serbia, *Snežana Dragičević, Milan Marjanović, Vojislav Vujučić, Ivan Milićević, Marko Popović*
 Underground Waters of the South of Western Siberia (Russia) as a Source of Renewable Energy, *Olga V. Shiganova, Yuriy Yu. Marchenko, Alexandr A. Shevchenko*

PREZENTACIJA SPONZORA/ PRESENTATION OF THE SPONSOR

16:30÷16:45

Kafe pauza / Coffe break

Chairman: dr *Zdravko Milovanović, dr Dragoljub Živković*

16:45÷18:30

Influence of the Characteristics of Biogas Generated in the Leather Industry on Combustion Quality, *Lucian Mihăescu, Gheorghe Lăzăroiu, Gabriel P. Negreanu, Ionel Pișă*
 Prospects for Pump Storage HPP in Macedonia, *Vlatko Čingoski, Ilija Andonov-Chento, Igor Nikolov*
 Optimization of K-300-240 (LMZ) Steam Turbine Functioning under Changeable Operating Conditions within Republika Srpska Electric Power System, *Zdravko Milovanović, Mirjana Laković-Paunović, Aleksandar Milasinović, Darko Knežević, Jovan Škundrić*
 Analysis and Modeling of the Effects of Process Parameters on Specific Cutting Energy in Abrasive Water Jet Cutting, *Predrag Janković, Miloš Madić, Dušan Petković, Miroslav Radovanović*
 The Influence of Temperature on the Adsorption of Cationic Surfactants on Muscovite Mica, *Jelena Manojlović*
 Construction Optimization of Hot Water Fire-Tube Boiler Using Thermomechanical FEA, *Milena Rajić, Milan Banić, Dragoljub Živković, Miša Tomić, Marko Mančić*
 Assessment of Thermal Processing Behaviour of Corn Cob, Vine Rod and Sunflower, *Simona Domazetovska, Vladimir Strezov, Risto V. Filkoski, Tao Kan*
 Computer optimization of water-flow in a cylindrical heat exchangers which are used in graphic industry, *Kire Popovski, Blagoj Ristovski, Igor Popovski*
 Overview of Application of Electrostatic Measurement Method for Supervision of Pneumatic Transport of Pulverized Coal, *B. Jurjevčić, I. Kuštrin, A. Senegačnik*
 Advanced Infrared Camera Based System for Pedestrian Detection on Railway Crossings, *Milan Pavlović, Ivan Ćirić, Vlastimir Nikolić, Miloš Simonović, Emina Petrović, Milica Ćirić, Milan Banić*
 Radiator Heating System Modelling, Simulation and Advanced Control, *Ristanović Milan, Čojbašić Žarko, Maja Todorović, Goran Petrović*

18:30÷19:30

POSTER SESIJA I / POSTER SESSIONS



Četvrtak / Thursday 19.10.2017. – MALA SALA / SMALL HALL

ENVIRONMENTAL PROTECTION, WATER, AIR AND SOIL QUALITY MANAGEMENT

Chairman: dr *Vladan Ivanović, dr Cvete Dimitrieska*

09:00÷11:15	<p>Particulate Emission (PM10 and PM2.5) from Residential Wood Combustion in Bitola, <i>Zoran Trajkovski, Sanja Popovska – Vasilevska, Vladimir Mijakovski, Cvete Dimitrieska</i></p> <p>Implementation of the Primary Measures for Nox Reduction in TPP Bitola and Analyze of the Changes, <i>Lidija Joleska Bureska</i></p> <p>Modelling of PM10 Immision from Individual Furnaces and City Boiler Rooms in Pljevlja, <i>Vladan Ivanović, Esad Tombarević</i></p> <p>Fire Safety and Fire Standards for Green Living Roofs, <i>Dragana Dimitrijević Jovanović, Predrag Živković, Dragoljub Živković, Žana Stevanović</i></p> <p>The Optimization of Organic Waste Fractions Ratio for the Maximum Biogas Yield, <i>Ana Momčilović, Predrag Rajković, Nenad Stojković, Biljana Milutinović, Milica Ivanović, Gordana Stefanović</i></p> <p>Municipal Waste Management and Opportunities for Recycling at Moravica District At the Theritory of the City Čačak, <i>Petar Nikšić, Vesna Veličković</i></p> <p>Numerical Research of the Swirl Velocity on the Origin Of Cavitations, <i>Aleksandar Levkoski, Valentino Stojkovski</i></p>
11:15-11:30	<i>Kafe pauza / Coffe break</i>
EXAMINATION OF OPERATING PLANTS AND EXPERIMENTAL EXAMINATION OF PROCESSES	
Chairman: dr <i>Predrag Živković, Filip Stojkovski</i>	
11:30÷14:00	<p>Equilibrium Moisture Content of Red Beetroot, <i>I. A. Kiryakov, M. G. Georgieva, A. I. Tashev, I. R. Tashev</i></p> <p>Experimental Investigation on the Convective Heat Transfer in a Spirally Coiled Corrugated Tube with Radiant Heating, <i>Milan Dorđević, Velimir Stefanović, Mića Vukić, Marko Mančić</i></p> <p>Repair of Damaged Surfaces of Components of Turbine and Hydromechanical Equipment through the use of Cold Metallization, <i>Miodrag Arsić, Srđan Bošnjak, Vencislav Grabulov, Bojan Međo, Mladen Mladenović, Zoran Savić</i></p> <p>The Influence of Wind Turbine Generators on Power Systems Dynamic Behavior, <i>Dana-Alexandra Ciupăgeanu, Gheorghe Lăzăroiu, Oana Zachia</i></p> <p>Experimental and Analytical Study of the Radiation Heat Transfer of a Burning Car, <i>Angel Terziev, Svetlin Antonov, Ivan Antonov, Kamen Grozdanov, Velimir Stefanović</i></p> <p>The Thermal Imaging in Maintenance, <i>Saša Petrović, Pedja Milosavljević, Jasmina Lozanović Sajić</i></p> <p>Effect of Hood Design at Howell Bunger Valve Refer to Cavitations, <i>Valentino Stojkovski, Zvonimir Kostikj, Filip Stojkovski</i></p> <p>Drying Intensity Influence on Quality of Dried Food, <i>Filip Mojsovski, Predrag Živković</i></p> <p>Optimization of Cutting Temperature in End Milling Aluminum 6082-T6 Using Taguchi Method, <i>Jelena Stanojković, Miroslav Radovanović</i></p>



Četvrtak / Thursday 19.10.2017 - KONGRESNA SALA / CONGRESS HALL 18:30+19:30

POSTER SESSION I

1. The Impact of the Wall Structure on Its Dynamic Characteristics, *Milica B. Ljubenović, Marko G. Ignjatović, Jelena N. Janevski, Branislav V. Stojanović*
2. Use of renewable energy sources for smart village model, *Milica Igić, Petar Mitković, Milena Dinić-Branković, Jelena Đekić, Mihailo Mitković*
3. The physical model of the window and its influence on the thermodynamic characteristics of the window, *Saša M. Kalinović, Milica M. Jović, Dejan I. Tanikić, Jelena M. Djoković*
4. Sustainability measurement of building energy system by two multi-criteria methods, *Biljana Vučićević, Valentina Turanjanin, Marina Jovanović, Predrag Škobalj, Vukman Bakić*
5. Determination of the Surface Zone Emissivities within Hottel Zonal Model of Radiation in a Pulverized Coal-Fired Furnace, *Nenad Crnomarković, Srđan Belošević, Stevan Nemoda, Ivan Tomanović, Aleksandar Milićević*
6. Comparison of CFD Simulation of Liquid Fuel Combustion in Bubbling Fluidized Bed with Experimental Results, *Stevan Nemoda, Milica Mladenović, Milijana Paprika, Aleksandar Erić, Goran Živković*
7. Technical and Economic Feasibility of Replacing Boilers Using Heavy Fuel with Biomass Boilers for Heating Purposes, *Branislav Repić, Dragoljub Dakić, Milijana Paprika, Borislav Grubor*
8. Chemical Kinetics and Numerical Simulation of the Process in the Experimental Chamber for Denitrification of Flue Gases, *Milica Mladenović, Stevan Nemoda, Ana Marinković, Milijana Paprika*
9. Benefits of solid recovery fuel implementation for energy utilization purposes, *Marina Jovanović, Biljana Vučićević, Valentina Turanjanin, Vuk Spasojević, Vukman Bakić*
10. Capillary-Porous Heat Exchangers for Cooling of Melting Units, *Alexander Genbach, Nellya Jamankulova, Vukman Bakić*
11. Results of the Reconstruction and Modernization of the Electrostatic Precipitators at Unit B1 of the TPP Kostolac B, *Milić Erić, Predrag Stefanović, Zoran Marković, Vuk Spasojević, Ivan Lazović, Dragan Živić, Željko Ilić*
12. Mathematical Model of Pulverized Coal Devolatilization and Combustion in a Swirl Burner– Development and Validation, *Aleksandar R. Milićević, Srđan V. Belošević, Ivan D. Tomanović, Nenad Đ. Crnomarković, Dragan R. Tucaković*
13. Optimization of the Meteorological Guyed Mast, *Milada Pezo, Vukman Bakić, Lato Pezo*
14. Modelling of Thermophysical Properties of Potential Solvents for Regenerative Flue Gas Desulfurisation Processes, *Andrej Stanimirović, Nikola Živković, Emila Živković, Divna Majstorović, Mirjana Kijevčanin*
15. Regenerative Process Operating Parameters for Sulfur Dioxide Physical Absorption from Flue Gases, *Nikola Živković, Mirjana Kijevčanin, Emila Živković, Predrag Stefanović, Vuk Spasojević, Milić Erić*
16. Evaluation of Kostolac Lignite Carbon Emission Characteristics, *Vuk Spasojević, Predrag Stefanović, Nikola Živković, Ana Marinković-Radojević, Milić Erić, Zoran Marković*
17. Principles of Automatic Control and Monitoring Systems of an Industrial Biomass Boiler, *Milijana Paprika, Branislav Repić, Dragoljub Dakić, Milica Mladenović, Aleksandar Erić*
18. Different Approaches for Prediction an Energy Production from the Run-of-River Small Hydro Power Plant, *Valentino Stojkovski, Dame Korunoski, Zoran Markov*
19. Managing and Implementation of Projects for Construction of Hydropower Plants, *Duško Dimitrovski, Valentino Stojkovski*
20. Improving Thermal Stability and Reduction of Energy Consumption in Serbia by Implementing Trombe Wall Construction, *Miomir Vasov, Dušan Randelović, Veliborka Bogdanović, Marko Ignjatović, Jelena Stevanović*

20.00

SVEČANA VEČERA / GALA DINNER



Petak / Friday 20.10.2017 - KONGRESNA SALA / CONGRESS HALL

POSTER SESIJA II

<p>11:00+12:00</p>	<ol style="list-style-type: none"> 1. Risk of Thermal Pollution of the Danube Passing Through Serbia Due to Thermal Power Plants, <i>Mirjana Laković, Miloš Banjac, Jasmina Bogdanović-Jovanović, Milica Jović</i> 2. Energy Efficiency Increasing of Dryers for Wood with Heat Recovery, <i>Jelena Janevski, Branislav Stojanović, Dejan Mitrović, Mladen Stojiljković</i> 3. A method for determination of averaged axisymmetric flow surfaces in centrifugal pumps based on numerical simulation results, <i>Jasmina Bogdanović-Jovanović, Dragica Milenković, Živojin Stamenović, Živan Spasić</i> 4. Stress and Deformation State in Furnace Tube, Smoke Tubes and Tube Plate of Reversal Chamber of the Hot Water Boiler, <i>Dragan B. Jovanović, Milena N. Rajić, Dragoljub S. Živković</i> 5. Investigation of Drying Kinetics of Corn in Function of Air Velocity, <i>Mića Vukić, Predrag Živković, Mladen Tomić, Jelena Janevski</i> 6. Exergy and Exergoeconomic Analysis of a 1000 t ph Lignite-Fired Steam Boiler, <i>Dejan M. Mitrović, Branislav V. Stojanović, Jelena N. Janevski, Marko G. Ignjatović</i> 7. Geothermal Energy from Deep Boreholes, <i>Velimir Stefanović, Bojan Drobnjaković, Sasa Pavlović</i> 8. Wind Energy Potentials Temporal Changes, <i>Predrag Živković, Mladen Tomić, Dragana Dimitrijević, Ivana Kecman, Mirko Dobrnjac</i> 9. The Impact of the Ventilation System in Fire in Road Tunnels, <i>Milica Jović, Dragoljub Živković, Mirjana Laković</i> 10. Two-Phase Gas-Solid Flow in Horizontal Channels with a Quadratic Cross-Section Considering Secondary Flow, <i>Saša Milanović, Miloš Jovanović, Boban Nikolić, Vladislav Blagojević</i> 11. Machine Learning Based Computationally Intelligent District Heating System Gas Consumption and Heat Load Forecasting, <i>Marina Stoilković, Žarko Čojbašić, Vlastimir Nikolić, Miloš Simonović, Nemanja Marković</i> 12. Experimental testing the Characteristics of Hot-Water Calorifier, <i>Dejan Mitrović, Branislav Stojanović, Jelena Janevski, Mladen Stojiljković</i> 13. Numerical Simulation of Water Hammer in Penstock of the Hydropower Plant Bistrica, <i>Jovana Spasić, Živojin Stamenković, Dragica Milenković</i> 14. Numerical Investigation of the Influence of the Shape of the Straight Profile on the Reversible Axial Fan Performance, <i>Živan Spasić, Jasmina Bogdanović-Jovanović, Saša Milanović, Vladislav Blagojević, Veljko Begović</i> 15. Determination and Prediction of Electricity Consumption Using Monte Carlo Simulation Method, <i>Mirjana Laković, Ivan Pavlović, Miloš Banjac, Milica Jović</i> 16. Anaerobic Co Digestion of Sewage Sludge and Organic Fraction of Municipal Waste: A Case Study City of Niš, <i>Milica Ivanović, Gordana Stefanović, Ana Momčilović, Biljana Milutinović</i> 17. Application of Digital Sliding Modes to Synchronization of the Work of Several Pneumatic Semi Rotary Drives, <i>Vladislav Blagojević, Saša Milanović, Živan Spasić, Miloš Jovanović</i> 18. Results of the Temperature Variation in Experimental Research of the Kolubara Lignite Drying Process in Packed Bed, <i>Milić Erić, Rastko Jovanović, ZoranMarković, Nikola Živković, Predrag Škopalj</i> 19. Thermal and Exergetic Investigation of an Innovative Solar Dish Concentrator with Spiral Cavity Receiver, <i>S. Pavlovic, E.Bellos, V. Stefanovic, M. Djordjevic, D. Vasiljevic</i> 20. Urban and architectural character of thermal ambient influences in operation of photovoltaic panels on buildings, <i>Mihailo Mitković, Jelena Đekić, Petar Mitković, Milica Igić, Milena Dinić Branković, Ivana Bogdanović Protić, Milica Ljubenović</i>
<p>12:00+13:00</p>	<p>SKUPŠTINA DRUŠTVA TERMIČARA</p>
<p>13:00</p>	<p>ZATVARANJE SIMPOZIJUMA/ COSING THE SYMPOSIUM</p>