

**PRELIMINARNI PROGRAM RADA ELEKTRANE 2018 /  
POWER PLANTS 2018 PRELIMINAR PROGRAMME,  
ZLATIBOR, Hotel Palisad, 05<sup>th</sup> – 08<sup>th</sup> November 2018**

**PONEDELJAK / MONDAY 05.11.2018.**

Simultano prevođenje / **Simultaneous translation**

17 <sup>00</sup>	<p><b>Svečano otvaranje Međunarodne konferencije ELEKTRANE 2018 / INTERNATIONAL CONFERENCE POWER PLANTS 2018 OPENING CEREMONY</b> SALA TARA HOTELA PALISAD (na III spratu Kongresnog centra) <b>ROOM TARA HOTEL PALISAD (on a III floor of the Congres center)</b> <b>Pozdravne reči / WELCOME ADDRESS</b></p>
	<p>- Prof. dr Milan Radovanović - Predsednik Društva termičara Srbije - Dr Predrag Stefanović - Predsednik Organizacionog odbora ELEKTRANE 2018 <b>Otvaranje skupa / OPENING CEREMONY</b> - Skup otvara Ministar rudarstva i energetike Republike Srbije <b>Aleksandar Antić</b> - Pozdravna reč predstavnika državnih institucija: <b>Dejan Popović</b>, Predsednik Saveta Agencije za energetiku Predstavnik Ministarstva zaštite životne sredine Republike Srbije Predstavnik Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije <b>Miroslav Lutovac</b>, direktor sektora za industriju Privredne komore Srbije <b>Prof. dr Branko Kovačević</b>, Predsednik Nadzornog Odbora JP EPS <b>Dr Milica Marčeta Kaninski</b>, Direktor Instituta za nuklearne nauke VINČA <b>Prof. dr Radivoje Mitrović</b>, Dekan Mašinskog fakulteta u Beogradu</p>
17 <sup>45</sup>	<p><b>Uvodna predavanja – Opening Lectures</b> Predsedavaju: Prof. dr M. Radovanović, dr P. Stefanović, Prof. dr D. Stojiljković, dr D. Cvetinović</p>
	<ul style="list-style-type: none"> <li>– Simon Uzunov, Head of Electricity Unit, Secretariat Energy Community, <b>IMPLEMENTATION OF ENERGY COMMUNITY TREATY IN SUPPORT OF ELECTRICITY MARKET INTEGRATION IN SOUTH EAST EUROPE</b>, 20 min</li> <li>– Prof. dr Aca Marković, član Saveta Agencije za energetiku Republike Srbije, <b>RAZVOJ TRŽIŠTA ELEKTRIČNE ENERGIJE U SRBIJI</b> 20 min</li> <li>– Prof dr Miloš Banjac, pomoćnik Ministra rudarstva i energetike, Prof dr Mirjana S. Laković Faculty of Mechanical Engineering, University of Nis, Nis, Serbia <b>CONSEQUENCES OF THE ADOPTION OF GUIDELINES ON STATE AID FOR ENVIRONMENTAL PROTECTION AND ENERGY 2014-2020 BY THE EUROPEAN PARLIAMENT ON THE SERBIAN RENEWABLE ENERGY SECTOR</b>, 20 min</li> <li>– Savo Bezmarević, izvršni direktor za proizvodnju energije JP EPS, 20 min</li> <li>– Dr Miodrag Mesarović, Serbian WEC Member Committee, Energoprojekt Entel <b>PARADIGM SHIFTS IN POWER GENERATION UNDER PRESSURE OF ENERGY TRANSITION</b>, 20 min</li> <li>– Ljubo Mačić, Economics Institute, Belgrade, Serbia <b>ENERGY AND CLIMATE 2030 TARGETS – POSSIBLE APPROACH OF SERBIA</b>, 20 min</li> <li>– Prigodno obeležavanje 125 godina početka proizvodnje električne energije u Srbiji, 60 godina uspešnog rada HE Vrla 4, 40 godina uspešnog rada bloka TENT A4 i 35 godina uspešnog rada bloka TENT B1 uručenjem nagrada Društva termičara Srbije zvaničnicima JP “Elektroprivreda Srbije”</li> </ul>
20 <sup>30</sup>	<p><b>Koktel dobrodošlice / WELCOME COCKTAIL</b></p>

**UTORAK / TUESDAY 06.11.2018.**

**PREPODNEVNI PROGRAM / MORNING PROGRAM:**

9 <sup>00</sup>	<p align="center"><b>POZIVNA PREDAVANJA / INVITED LECTURES</b></p> <p><b>SALA TARA</b> HOTELA PALISAD (na III spratu Kongresnog centra) Predsedavaju: Prof. dr Dragoslava Stojilković, dr Slobodan Đekić</p> <p align="right"><b>Simultano prevođenje / Simultaneous translation</b></p>
9 <sup>00</sup> – 9 <sup>20</sup>	Krzysztof Burek, M.Sc, Mech. Eng, MBA, Advisor of the Board RAFAKO S.A. Poland <b>NEW POWERS AND REHABILITATION PROGRAM FOR OLD UNITS IN POLISH ENERGY SYSTEM</b>
9 <sup>20</sup> – 9 <sup>40</sup>	Steve Billett, Steve Cornwell, John Goldring, RJM Corporation (EC) Ltd Mariana Gerenova, AES-3C Maritza East 1 EOOD <b>PERFORMANCE IMPROVEMENTS ON A LIGNITE FIRED BOILER</b>
9 <sup>40</sup> – 10 <sup>00</sup>	Dragisa Ristic, Frank Kluger, Rajkumar Daniel GE Boiler Deutschland GmbH <b>PLASMA SUPPORTED COMBUSTION FOR AN EXTENSION OF COAL FIRED POWER STATION FLEXIBLE OPERATION CAPABILITY</b>
10 <sup>00</sup> – 10 <sup>20</sup>	Robert Basiak, General Electric, Power Digital <b>PREDICTIVE MAINTENANCE MONITORING FOR THERMAL PLANTS ASSETS</b>
10 <sup>20</sup> – 10 <sup>40</sup>	Piotr Czerwinski, GE Power, <b>STEAM TURBINE RETROFITS WITH ADAPTATION TO DISTRICT HEATING</b>
10 <sup>40</sup> – 11 <sup>00</sup>	Steffen Reising, Sales Manager Power Plant Products, SIEMENS, Germany <b>SIEMENS SPPA-P3000 COMBUSTION OPTIMIZER</b>
11 <sup>00</sup> – 11 <sup>30</sup>	<b>Pauza za kafu u holu ispred bifea na I spratu Kongresnog centra / Coffee break</b>
11 <sup>30</sup>	<p align="center"><b>POZIVNA PREDAVANJA / INVITED LECTURES</b></p> <p><b>SALA TARA</b> HOTELA PALISAD (na III spratu Kongresnog centra) Predsedavaju: dr Miodrag Mesarović, dr Dejan Cvetinović</p> <p align="right"><b>Simultano prevođenje / Simultaneous translation</b></p>
11 <sup>30</sup> – 11 <sup>50</sup>	Daniele Coppola, Magaldi Power S.p.A., Salerno, Italy <b>MAP® (MAGALDI ASH POSTCOMBUSTOR) SYSTEMS TO IMPROVE POWER PLANT ENERGY EFFICIENCY</b>
11 <sup>50</sup> – 12 <sup>10</sup>	Zoltan Teuber, ERC Technik GmbH, Buchholz, Germany <b>SIMILAR BOILERS, DIFFERENT LOCATIONS COMPARISON OF SEVERAL SNCR APPLICATIONS AT LIGNITE FIRED BOILERS LARGER THAN 300 MWEL</b>
12 <sup>10</sup> – 12 <sup>30</sup>	Dario Škoro, Hamon Research-Cottrell GmbH, Köln, Germany Christian Moser, Hamon Enviroserv GmbH, Bochum, Germany <b>LARGE-SCALE APPLICATION OF CDS FGD TECHNOLOGY</b>
12 <sup>30</sup> – 12 <sup>50</sup>	Stephen Baer, C.E.O., Novacon Energy Systems, USA <b>A SUPERIOR SORBENT TO SUPPORT H.E.L.E. ENERGY</b>
12 <sup>50</sup> – 13 <sup>10</sup>	Piotr Knura, Sławomir Muszyński RAFAKO S.A., Poland <b>RAFAKO'S SEMI-DRY FGD METHOD USING PNEUMATIC REACTOR AND BAG-FILTER (RP+FT)</b>
13 <sup>10</sup> – 13 <sup>30</sup>	Takanori Nakamoto Mitsubishi Hitachi Power Systems Ltd., Yokohama, Japan; Hiroyuki Nosaka, Takashi Muramoto, Tetsu Ushiku, Mitsubishi Hitachi Power Systems Ltd., Hiroshima-ken, Japan; Shingo Yabu Mitsubishi Hitachi Power Systems Environmental Solutions, Ltd., Yokohama, Japan <b>STATE-OF-THE-ART MHPS'S AQCS TECHNOLOGIES (FGD, ESP, SCR)</b>

13 <sup>30</sup> – 13 <sup>50</sup>	Dipl.-Ing. Christian Kissling, Business Development, Dr.- Ing. Patrick Weckes, Director Sales South East Europe Mitsubishi Hitachi Power Systems Europe GmbH, Duisburg, Germany <a href="#">BENEFITS FROM POWER AND ENERGY SOLUTION BUSINESS (PESB)</a>
13 <sup>50</sup> – 14 <sup>10</sup>	Svetozar Dobrašinović dipl. inž. maš., JP „ELEKTROPRIVREDA SRBIJE“ <a href="#">ODSUMPORAVANJE DIMNIH GASOVA IZ KOTLOVA BLOKOVA A3-A6 TERMOELEKTRANE “NIKOLA TESLA-A”</a>
14 <sup>10</sup>	<b>Pauza za ručak / Lunch break</b>

**UTORAK / TUESDAY 06.11.2018.****POPODNEVNI PROGRAM / AFTERNOON PROGRAM:**Simultano prevođenje / **Simultaneous translation**

16 <sup>00</sup>	<b>POZIVNA PREDAVANJA / INVITED LECTURES</b> <b>SALA TARA HOTELA PALISAD (na III spratu Kongresnog centra)</b> Predsedavaju: Prof. dr Vojin Grković, dr Miodrag Mesarović <b>Simultano prevođenje / Simultaneous translation</b>
16 <sup>00</sup> – 16 <sup>20</sup>	Prof. dr Milan V. Petrovic, Mechanical faculty Belgrade University, Belgrade, Serbia Alexander Wiedermann, MAN Energy Solutions SE, Germany <a href="#">FLEXIBLE FOSSIL POWER PLANTS FOR THE FUTURE ENERGY MARKET THROUGH NEW AND ADVANCED TURBINE TECHNOLOGIES – RESULTS OF EUROPEAN RESEACH PROJECT</a>
16 <sup>20</sup> – 16 <sup>40</sup>	Prof. dr Ivan Božić, University of Belgrade, Faculty of Mechanical Engineering Vladimir Petrovic, PE "Elektroprivreda" Serbia - branch Hydropower Plants Djerdap <a href="#">INDEX TESTS OF REVITALIZED KAPLAN TURBINE WITH THE AIM OF OPTIMISING THE HYDRO-AGGREGATE</a>
16 <sup>40</sup> – 17 <sup>00</sup>	Jan Ondrich, Managing Director SWG Strom & Wärme GmbH, Germany, Zoran Knežević, ZK-Termochem, Czech Republic <a href="#">DYNAMIC DISTRICT HEATING AND FLEXIBLE CHP</a>
17 <sup>00</sup> – 17 <sup>20</sup>	Rainer Schellhaas, GIZ, Germany <a href="#">TO BE DEFINED</a>
17 <sup>20</sup> – 17 <sup>40</sup>	<b>Pauza za kafu u holu ispred bifea na I spratu Kongresnog centra / Coffee break</b>
17 <sup>40</sup>	<b>POZIVNA PREDAVANJA / INVITED LECTURES</b> <b>SALA TARA HOTELA PALISAD (na III spratu Kongresnog centra)</b> Predsedavaju: dr Slobodan Đekić, Prof. dr Milovan Studović <b>Simultano prevođenje / Simultaneous translation</b>
17 <sup>40</sup> – 18 <sup>00</sup>	Prof. dr Vladimir Pavlović, CPE Beograd, Dejan Milijanović, Javno preduzeće "ELEKTROPRIVREDA SRBIJE" <a href="#">RAZVOJ POVRŠINSKE EKSPLOATACIJE UGLJA U UGLJONOSNIM BASENIMA EPS U FUNKCIJI REALIZACIJE STRATEGIJE ENERGETIKE REPUBLIKE SRBIJE</a>
18 <sup>00</sup> – 18 <sup>20</sup>	Veselin Bulatović, Javno preduzeće "ELEKTROPRIVREDA SRBIJE" <a href="#">RAZVOJNE PERSPEKTIVE POVRŠINSKE EKSPLOATACIJE UGLJA U KOSTOLAČKOM BASENU</a>
18 <sup>20</sup> – 18 <sup>40</sup>	Mr Aleksandar Jakovljević Javno preduzeće "ELEKTROPRIVREDA SRBIJE" <a href="#">SAGLEDAVANJE PROBLEMA I MOGUĆNOSTI JP EPS-A ZA NASTUPAJUĆU ERU E-MOBILTI</a>
18 <sup>40</sup> – 19 <sup>00</sup>	Nenad Đorđević, Glavni inženjer sektora održavanja TENT A Obrenovac, Serbia <a href="#">REVITALIZATION AND OVERHAUL OF THE UNIT A4 AT TPP NT 2018</a>
19 <sup>00</sup> – 19 <sup>20</sup>	Aleksandar Popović, Ministarstvo zaštite životne sredine Republike Srbije <a href="#">NACRT ZAKONA O KLIMATSKIM PROMENAMA - OČEKIVANO DEJSTVO NA ENERGETSKI SEKTOR</a>

<b>16<sup>00</sup></b>	<p align="center"><b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b></p> <p>Sesija: Energetski resursi i održivi razvoj Obnovljivi izvori - Biomasa          Session: Energy resources and sustainable development Renewable sources - Biomass  <b>SALA MORAVA HOTELA PALISAD (na II spratu Kongresnog centra)</b>          Predsedavaju: dr Borislav Grubor, dr Branislav Repić</p>
<b>16<sup>00</sup> – 16<sup>20</sup></b>	<p>Milica R. Mladenović University of Belgrade, Vinča Institute of Nuclear Sciences, Belgrade          Dragoljub V. Dakić, University of Belgrade, Innovation Center of Faculty of Mechanical Energy, Belgrade, Serbia  <a href="#">RECOMMENDATIONS FOR THE PROMOTION AND BETTER ORGANIZATION OF THE USE OF AVAILABLE BIOMASS RESOURCES IN SERBIA</a></p>
<b>16<sup>20</sup> – 16<sup>40</sup></b>	<p>Milica Mladenović, Marinković Ana, Milijana J. Paprika, Stevan Đ. Nemoda, University of Belgrade, VINCA Institute of Nuclear Sciences, Laboratory of Thermal Engineering and Energy, Belgrade, Serbia          Dragoljub V. Dakić, University of Belgrade, Innovation Center of Faculty of Mechanical Energy, Belgrade, Serbia          Branislav S. Repić, University of Belgrade, VINCA Institute of Nuclear Sciences, Laboratory for Thermal Engineering  <a href="#">DENITRIFICATION CHAMBER FOR NON-CATALYTIC REDUCTION BY AMMONIA</a></p>
<b>16<sup>40</sup> – 17<sup>00</sup></b>	<p>Dane Džepčeski, Elektrotehnički institut Nikola Tesla a. d. Beograd Srbija  <a href="#">SISTEMI ZA SKLADIŠTENJE ENERGIJE U ZAMAJCU, OPIS I PRIMENA SISTEMA SA OBNOVLJIVIM IZVORIMA ENERGIJE</a></p>
<b>17<sup>00</sup> – 17<sup>20</sup></b>	<p>Nemanja Mijatović, Nikola Dondur, Sanja Milivojević, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia  <a href="#">TEHNO-EKONOMSKA ANALIZA PROIZVODNJE ELEKTRIČNE ENERGIJE POMOĆU SOLARNIH FOTONAPONSKIH ĆELIJA</a></p>
<b>17<sup>20</sup> – 17<sup>40</sup></b>	<b>Pauza za kafu u holu ispred bifea na I spratu Kongresnog centra / Coffee break</b>
<b>17<sup>40</sup> – 18<sup>00</sup></b>	<p>Aleksandar Erić, Stevan Nemoda, Milijana Paprika, Branislav Repić, Milica Mladenović (University of Belgrade, "Vinča" Institute of Nuclear Sciences, Laboratory for Thermal Engineering and Energy, Belgrade, Serbia  <a href="#">ANALYSIS OF THE BIOMASS GASIFICATION PROCESS IN A FLUIDIZED BED REACTOR</a></p>
<b>18<sup>00</sup> – 18<sup>20</sup></b>	<p>Branislav Repić, Milijana Paprika, Milica Mladenović, Stevan Nemoda, Aleksandar Erić          Institut za nuklearne nauke Vinča          Dragoljub Dakić Inovacioni centar Mašinski fakultet Beograd  <a href="#">WASTE FUEL COMBUSTION TESTING IN A FLUIDIZED BED BOILER</a></p>
<b>18<sup>20</sup> – 18<sup>40</sup></b>	<p>Vukman Bakić, Marina Jovanović, University of Belgrade, Vinča Institute of Nuclear Sciences, Belgrade, Serbia          Milica Milićević, Maja Todorović, University of Belgrade, Faculty of Mechanical Engineering  <a href="#">DYNAMIC SIMULATION OF THE ENERGY SYSTEM FOR DOMESTIC HOT WATER PREPARATION</a></p>
<b>18<sup>40</sup> – 19<sup>00</sup></b>	<p>M.P. Jovanović, B.S. Vučićević, V.M. Turanjanin, I.M. Lazović and D.M. Kostadinović, University of Belgrade, VINCA Institute of Nuclear Sciences,  <a href="#">PMV AND PPD INDICES IN THE BUILDING WITH TRANSPARENT THERMAL ENVELOPE</a></p>
<b>19<sup>20</sup> – 20<sup>30</sup></b>	<b>Pauza za večeru / Dinner break</b>
<b>20<sup>30</sup> – 21<sup>20</sup></b>	<b>Kulturni program / CONCERT</b>

16 <sup>00</sup>	<p align="center"><b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b></p> <p>Sesija: Eksploatacioni problemi hidro/termo elektrana – Matematičko modeliranje  Session: Thermal/hydro Power Plants exploitation problems – Mathematical modelling  <b>SALA SAVA HOTELA PALISAD (u prizemlju Kongresnog centra)</b>  Predsedavaju: dr Goran Živković, dr Stevan Nemoda</p>
16 <sup>00</sup> – 16 <sup>20</sup>	<p>Aleksandar R. Milićević, Srđan V. Belošević, Ivan. D. Tomanović, Nenad Đ. Crnomarković  University of Belgrade, Vinca Institute of Nuclear Sciences, , Belgrade, Serbia  Dragan R. Tucaković, University of Belgrade, Faculty of Mechanical Engineering, Belgrade  MODELING OF PROCESSES DURING DIRECT CO-FIRING PULVERIZED COAL AND BIOMASS IN THE UTILITY STEAM BOILER FURNACE OF TPP „KOSTOLAC” B-2</p>
16 <sup>20</sup> – 16 <sup>40</sup>	<p>Ivan D. Tomanovic, Srdjan V. Belosevic, Aleksandar R. Milicevic, Nenad Dj. Crnomarkovic,  University of Belgrade, „Vinca“ Institute of Nuclear Sciences, Belgrade, Serbia  Dragan R. Tucakovic (University of Belgrade, Faculty of mechanical engineering, Belgrade  NUMERICAL PREDICTION OF CALCINATION AND SULFATION EXTENT OF SORBENT PARTICLES ALONG THE TRAJECTORIES IN PULVERIZED COAL FIRED UTILITY BOILER FURNACE</p>
16 <sup>40</sup> – 17 <sup>00</sup>	<p>N. Đ. Crnomarković, S. V. Belošević, S. Đ. Nemoda, I. D. Tomanović, A. R. Milićević  University of Belgrade, Vinča Institute of Nuclear Sciences, Vinča, Belgrade, Serbia  RADIATIVE HEAT EXCHANGE INSIDE A PULVERIZED COAL-FIRED FURNACE FOR UNEVEN THICKNESS OF THE ASH DEPOSIT LAYER OVER THE FURNACE WALLS</p>
17 <sup>00</sup> – 17 <sup>20</sup>	<p>Stevan Nemoda, Milica Mladenović, Milijana Paprika, Aleksandar Erić, University of Belgrade, „Vinca“ Institute of Nuclear Sciences, Belgrade, Serbia  TWO-DIMENSIONAL CFD SIMULATION OF SOLID FUEL COMBUSTION IN BUBBLING FLUIDIZED BED</p>
17 <sup>20</sup> – 17 <sup>40</sup>	<b>Pauza za kafu u holu ispred bifea na I spratu Kongresnog centra / Coffee break</b>
17 <sup>40</sup> – 18 <sup>00</sup>	<p>Đorđe Petkovic, Milan Banjac, Srđjan Milić, Milan V. Petrović, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia  TRANSIENT PERFORMANCE MODELING OF THERMAL TURBINES</p>
18 <sup>00</sup> – 18 <sup>20</sup>	<p>Ognjen Stamenković, Dragan Tucaković Goran Stupar, Titoslav Živanović, Mašinski Fakultet, Beograd, Srbija  NUMERIČKA SIMULACIJA KRETANJA ČESTICA UGLJENOG PRAHA U KANALU AEROSMEŠE NAKON INERCIJALNOG SEPARATORA</p>
18 <sup>20</sup> – 18 <sup>40</sup>	<p>Dr Andrej Stanimirović ,JP Elektroprivreda Srbije, Beograd, Republika Srbija  Aleksandar Đekić, Tehnološko metalurški fakultet, Univerzitet u Beogradu, Beograd  Dr Nikola Živković Institut za nuklearne nauke Vinča, Univerzitet u Beogradu, Beograd  Dr Divna Majstorović, Dr Emila Živković, Tehnološko metalurški fakultet, Univerzitet u Beogradu, Beograd, Republika Srbija  MODELOVANJE VISKOZNOSTI NOVIH RASTVARAČA ZA REGENERATIVNE PROCESSE PREČIŠĆAVANJA DIMNOG GASA</p>
18 <sup>40</sup> – 19 <sup>00</sup>	<p>Zagorka M. Brač, NIS a.d. Novi Sad,  Nebojša G. Manić, Marta R. Trninić, Dragoslava D. Stojiljković, Aleksandar M. Jovović  Mašinski fakultet Univerziteta u Beogradu, Beograd  DEVOLATILIZATION PROCESS MODELING OF A COAL AND WASTE TIRE BLENDS BY A KINETIC STUDY BASED ON WMR AND TGA EXPERIMENTS</p>
19 <sup>00</sup> – 19 <sup>20</sup>	<p>Nebojša Manić, Dragoslava Stojiljković, Vladimir Jovanović, Miloš Radojević, University of Belgrade Faculty of Mechanical Engineering, Fuel and Combustion Laboratory  THE ASSESSMENT OF SPONTANEOUS IGNITION POTENTIAL OF COALS USING TGA</p>
19 <sup>20</sup> – 20 <sup>30</sup>	<b>Pauza za večeru / Dinner break</b>
20 <sup>30</sup> – 21 <sup>20</sup>	<b>Kulturni program / CONCERT</b>



**SREDA / WEDNESDAY 07.11.2018.****PREPODNEVNI PROGRAM / MORNING PROGRAM:**

<b>9<sup>00</sup></b>	<p align="center"><b>POZIVNA PREDAVANJA / INVITED LECTURES</b></p> <p>Sesija: Energetski resursi i održivi razvoj Session: Energy resources and sustainable development <b>SALA TARA HOTELA PALISAD (na III spratu Kongresnog centra)</b> Predsedavaju: dr Miodrag Mesarović, Prof. dr Dragoslava Stojilković</p>
<b>9<sup>00</sup> – 9<sup>20</sup></b>	Dejan Ivezić, Marija Živković, Univerzitet u Beogradu – Rudarsko-geološki fakultet <a href="#">STANJE I PERSPEKTIVE RAZVOJA SEKTORA PRIRODNOG GASA U SRBIJI</a>
<b>9<sup>20</sup> – 9<sup>40</sup></b>	Vojin Grković, Steinbeis Energy Technologies doo Novi Sad, Serbia Djordjije Doder, Faculty of Technical Sciences, Novi Sad, Serbia <a href="#">ON COMPETITIVENESS OF NUCLEAR POWER PLANTS IN THE CONCEPT OF SUSTAINABLE DEVELOPMENT WITH STRONG RESTRICTIONS OF CO2 EMISSIONS</a>
<b>9<sup>40</sup> – 10<sup>00</sup></b>	Bogoljub Vučković, dipl.ing.geol., glavni inženjer, JP EPS, Ogranak RB Kolubara, Lazarevac Dr Bojan Dimmitrijević, Univerzitet u Beogradu, Rudarsko-Geološki fakultet, Beograd <a href="#">CLIMATE CHANGE AND THE EMERGENCE OF HEAVY RAIN, ENVIRONMENTAL IMPACT, KOLUBARA COAL BASIN, SERBIA</a>
<b>10<sup>00</sup> – 10<sup>20</sup></b>	Borislav Grubor, Predrag Stefanović, University of Belgrade, "VINČA" Institute of Nuclear Sciences <a href="#">CARBON PRICING – POSSIBILITY OF IMPLEMENTATION IN SERBIA</a>
<b>10<sup>20</sup> – 10<sup>40</sup></b>	Milovan Studović, University of Belgrade, Faculty of Mechanical Engineering, Serbia <a href="#">POTENTIALS AND CONSTRAINS OF THE SERBIAN INDUSTRY IN ORDER TO DEVELOP CONDITIONS FOR IMPLEMENTATION OF „INDUSTRY 4.0“</a>
<b>10<sup>40</sup> – 11<sup>00</sup></b>	Suzana Kostic, Univerzitet u Beogradu, Elektrotehnički institut Nikola Tesla, Beograd, Srbija <a href="#">A COMPARATIVE ANALYSIS OF THE ELECTRICITY MARKET PRICES IN THE WINTER AND SUMMER PERIOD AND THE CORRESPONDING PRODUCTION COSTS ON THE EXAMPLE OF SERBIAN ELECTRIC POWER</a>
<b>11<sup>00</sup> – 11<sup>30</sup></b>	<b>Pauza za kafu u holu ispred bifea na I spratu Kongresnog centra / Coffee break</b>
<b>11<sup>30</sup></b>	<p align="center"><b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b></p> <p>Sesija: Eksploatacioni problemi termo/hidro/vetro i drugih elektrana Session: Thermal / hydro / wind and other Power Plants exploitation problems <b>SALA TARA HOTELA PALISAD (na III spratu Kongresnog centra)</b> Predsedavaju: dr Slobodan Đekić, dr Borislav Grubor</p>
<b>11<sup>30</sup> – 11<sup>50</sup></b>	Udo Sommer, STEAG Energy Services GmbH, Essen, Germany <a href="#">SUSTAINABLE OPERATION AT MINIMUM LOAD</a>
<b>11<sup>50</sup> – 12<sup>10</sup></b>	Dragan Marinković, Irina Ristić Thermal Power Plant „Nikola Tesla B“, Obrenovac, PE ELEKTROPRIVREDA SRBIJE, Belgrade <a href="#">WEB SERVER SYSTEM – MODERNISATION AND UPGRADE OF DCS SYSTEM FOR UNTITS B1 AND B2 ON THERMAL POWER PLANT</a>
<b>12<sup>10</sup> – 12<sup>30</sup></b>	Momčilo Stakić, Ilija Radovanović, Thermal Power Plant „Nikola Tesla B“, Obrenovac, Irena Vuković PE ELEKTROPRIVREDA SRBIJE, Belgrade, <a href="#">MODERNIZATION AND AUTOMATION OF CONTROL AND MONITORING SYSTEM OF CONDENSATE POLISHING PLANT AND EXTERNAL REGENERATION OF CONDENSATE POLISHING ION EXCHANGE RESINS IN CHEMICAL WATER TREATMENT PLANT WITHIN THERMAL POWER PLANT</a>

12 <sup>30</sup> – 12 <sup>50</sup>	Ljiljana S. Velimirović, dipl. inž. maš., Snežana Malbaša, dipl inž. elektro, Dejan M Stanković, dipl. inž. maš., Miroslav Đurić, dipl. maš. Inž., Javno Preduzeće Elektroprivreda Srbije, Ogranak TENT, Beograd –Obrenovac <a href="#">CONSTRUCTION OF WASTE WATER TREATMENT PLANT IN TPP NIKOLA TESLA A</a>
12 <sup>50</sup> – 13 <sup>10</sup>	Ljiljana S. Velimirović, dipl. inž. maš. Javno Preduzeće ELEKTROPRIVREDA SRBIJE, Ogranak TENT, Beograd -Obrenovac, Serbia <a href="#">CONSTRUCTION OF WASTE WATER TREATMENT PLANT IN TPP KOSTOLAC B</a>
13 <sup>10</sup> – 13 <sup>30</sup>	mr Borivoje Vujičić dipl. inž. maš., Ženja Vujović dipl.inž. TPP Gacko, Gacko, Republic of Serpska, Bosnia and Herzegovina <a href="#">PROBLEMS WITH COMBUSTION OF TPP-GACKO LIGNITE</a>
13 <sup>30</sup> – 13 <sup>50</sup>	dr Lidija Joleska Bureska, ELEM TPP Bitola, Republic of Macedonia <a href="#">INFLUENCE OF THE FLUE GAS TEMPERATURE ON THE COAL BOILER EFFICIENCY</a>
13 <sup>50</sup> – 14 <sup>10</sup>	Ivan Krstić, EFT - Mine and Thermal Power Plant Stanari d.o.o., Stanari, BiH <a href="#">CFB BOILER - MAINTENANCE EXPERIENCE AND RELIABILITY IMPROVEMENTS</a>
14 <sup>10</sup> – 14 <sup>30</sup>	Vladan Djokic, Engineering & Consulting, VPC-Group, Kralja Milana 3, Belgrade, Serbia <a href="#">IMPLEMENTACIJA SIGURNOSNIH I BEZBEDNOSNIH STANDARDA U DOMENU OPERACIONIH TEHNOLOGIJA</a>
14 <sup>00</sup>	<b>Pausa za ručak / Lunch break</b>

11 <sup>30</sup>	<b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b> Sesija: Eksploatacioni problemi hidro/termo elektrana -Elektro Session: Thermal/hydro Power Plants exploitation problems -Electro <b>SALA MORAVA HOTELA PALISAD (na II spratu Kongresnog centra)</b> Predsedavaju: dr Željko V.Despotović, dr Vladimir Vukić,
11 <sup>30</sup> – 11 <sup>50</sup>	Dr Željko V.Despotović, Institut Mihajlo Pupin, Univerzitet u Beogradu Msc Aleksandar M. Pavlović, IMP-ProjektInženjering, Beograd, Srbija Uroš Tanasić, Nenad Glišić, JP EPS Ogranak "Termoeletrane Nikola Tesla"-TENT-B <a href="#">REKONSTRUKCIJA ELEKTROHIDRAULIČKOG POGONA STRELE KOPAČA U SISTEMU NA DOPREMI UGLJA NA TERMoeLEKTRANI TENT-B</a>
11 <sup>50</sup> – 12 <sup>10</sup>	Vladimir Dj. Vukić, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia <a href="#">EXPLOITATION CHARACTERISTICS OF THE RETROFITTED THYRISTOR RECTIFIERS IN AN UNINTERRUPTIBLE POWER SUPPLY SYSTEM OF A THERMAL POWER PLANT</a>
12 <sup>10</sup> – 12 <sup>30</sup>	Miloje Kostić, Electrical Engineering Institute „Nikola Tesla“ Belgrade University, <a href="#">THE EFFECT OF REDUCING ACTIVE POWER ON REDUCING RESERVE IN MAXIMUM POWER AND THE STABILITY OF THE GENERATOR'S</a>
12 <sup>30</sup> – 12 <sup>50</sup>	Vladimir Dj. Vukić, Electrical Engineering Institute "Nikola Tesla", University of Belgrade, Belgrade, Serbia <a href="#">RELATIVE STANDARD DEVIATION OF THE CELL VOLTAGES AS A MEASURE OF THE STATE-OF-HEALTH OF AGM VRLA BATTERIES</a>
12 <sup>50</sup> – 13 <sup>10</sup>	Dr Željko V.Despotović, Institut Mihajlo Pupin, Univerzitet u Beogradu Nenad Savić, Dušan Jovanović, IMP-ProjektInženjering, Beograd, Srbija Dragan Iljević (HE Đerdap, Kladovo) <a href="#">ELEKTROUPRAVLJAČKI DEO SISTEMA ZA PODMAZIVANJE LEŽAJEVA DVOKRILNIH VRATA NIZVODNE GLAVE BRODSKE PREVODNICE U HE ĐERDAP1</a>

13 <sup>10</sup> – 13 <sup>30</sup>	Milovan Majstorović, School of Electrical Engineering, University of Belgrade, Serbia Željko V. Despotović, Mihajlo Pupin Institute, University of Belgrade, Serbia Miloš Nedeljković, School of Electrical Engineering, University of Belgrade, Serbia SYNCHRONIZATION OF THE OUTPUT VOLTAGE OF A THREE-PHASE PHOTOVOLTAIC INVERTER WITH A POWER NETWORK APPLYING PHASE LOCKED LOOP CIRCUIT
14 <sup>00</sup>	<b>Pauza za ručak / Lunch break</b>

11 <sup>30</sup>	<b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b> Sesija: Eksploatacioni problemi hidro elektrana Session: Hydro Power Plants exploitation problems <b>SALA SAVA HOTELA PALISAD (u prizemlju Kongresnog centra)</b> Predsedavaju: Prof. dr Miroslav Benišek, Prof. dr Vladimir Stevanović
11 <sup>30</sup> – 11 <sup>50</sup>	Miroslav Benišek. Mechanical faculty Belgrade University, Belgrade, Serbia THEORETICAL AND EXPERIMENTAL CAVITATION RESEARCH ON REACTION TURBINES
11 <sup>50</sup> – 12 <sup>10</sup>	MSc Jovan Ilić, dr Ivan Božić, University of Belgrade, Faculty of Mechanical Engineering mr Aleksandar Petković, Hidromaškonsalting, Belgrade ANALYSIS OF TRANSIENT PROCESSES FOR VARIOUS LAWS OF THE GUIDE VANES CLOSING IN FRANCIS TURBINES WITH SYNCHRONOUS PRESSURE REGULATING VALVES
12 <sup>10</sup> – 12 <sup>30</sup>	Miodrag Arsić, Institute for materials testing, Belgrade, Serbia INTEGRITY ASSESSMENT OF PIPELINE ELEMENTS OF THE KAPLAN TURBINE REGULATION SYSTEM AT HYDRO POWER PLANT 'DJERDAP 1' BASED ON THE CALCULATION OF STRENGTH
12 <sup>30</sup> – 12 <sup>50</sup>	Vladimir Petrović, JP ELEKTROPRIVREDA SRBIJE Ogranak HE Đerdap REVITALIZACIJA HIDROAGREGATA A1 NA HE ĐERDAP
12 <sup>50</sup> – 13 <sup>10</sup>	Ljiljana Milicanović, JP ELEKTROPRIVREDA SRBIJE REVITALIZACIJA HIDROAGREGATA A3 HE ZVORNIK
13 <sup>10</sup> – 13 <sup>30</sup>	Vladimir Tkalac, JP ELEKTROPRIVREDA SRBIJE REKONSTRUKCIJA I IZGRADNJA MALIH HIDROELEKTRANA
14 <sup>00</sup>	<b>Pauza za ručak / Lunch break</b>

16 <sup>30</sup>	<b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b> Sesija: Energetski resursi i održivi razvoj Obnovljivi izvori - Vetar Session: Energy resources and sustainable development Renewable sources -Wind <b>SALA TARA HOTELA PALISAD (na III spratu Kongresnog centra)</b> Predsedavaju: Prof. dr Miodrag Zlatanović, dr Vukman Bakić
16 <sup>30</sup> – 16 <sup>50</sup>	Branislava Zubić, dipl. inž. tehn. Pokrajinski sekretarijat za energetiku, građevinarstvo i saobraćaj, Novi Sad POWER PLANTS IN AUTONOMOUS PROVINCE OF VOJVODINA
16 <sup>50</sup> – 17 <sup>10</sup>	Dragoslav Cicović, JP ELEKTROPRIVREDA SRBIJE VETROPARK KOSTOLAC
17 <sup>10</sup> – 17 <sup>30</sup>	Danijela Isailović, Elicio Wind d.o.o., Vladimira Popovica 6, Novi Beograd, Serbia ELEKTRANE NA VETAR – MALIBUNAR I ALIBUNAR



17 <sup>30</sup> – 17 <sup>50</sup>	Miloš Čolić, NEW ENERGY SOLUTIONS, Belgrade, Serbia <a href="#">ELEKTRANA NA VETAR – KOVAČICA</a>
17 <sup>50</sup> – 18 <sup>10</sup>	Miodrag. Zlatanović, School of Electrical Engineering, Belgrade University, Belgrade, Serbia; Wind Electricity doo, Belgrade, Serbia Ivan. Popović, School of Electrical Engineering, Belgrade University, Belgrade, Serbia <a href="#">CHALLENGES OF NEW REVISION OF WIND TURBINES IEC STANDARD</a>
18 <sup>10</sup> – 18 <sup>30</sup>	Milada Pezo, Vukman Bakić, Zoran Marković, University of Belgrade, Vinča Institute of Nuclear Science, Laboratory for Thermal Engineering and Energy <a href="#">ASSESSMENT OF THE STABILITY OF METEOROLOGICAL GUYED MAST EXPOSED TO WIND ACTION</a>

16 <sup>30</sup>	<b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b> Sesija: Eksploatacioni problemi hidro/termo elektrana Session: Thermal/hydro Power Plants exploitation problems <b>SALA MORAVA HOTELA PALISAD (na II spratu Kongresnog centra)</b> Predsedavaju: Prof. dr Vladimir Stevanović, Prof. dr Mirjana Laković
16 <sup>30</sup> – 16 <sup>50</sup>	Vladimir D. Stevanović, Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia Sanja S. Milivojević, Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia <a href="#">INCREASE OF HYDRAULIC RESISTANCE IN TUBE SYSTEM OF ONCE-THROUGH STEAM BOILER AFTER LONG TIME OPERATION</a>
16 <sup>50</sup> – 17 <sup>10</sup>	Mirjana Laković, Ivan Pavlović, Faculty of Mechanical Engineering, University of Niš, Serbia Miloš Banjac, Faculty of Mechanical Engineering, University of Belgrade, Serbia Milica Jović, Faculty of Mechanical Engineering, University of Niš, Serbia <a href="#">NUMERICAL DETERMINATION OF STEAM CONDENSER EFFECTIVENESS IN VARIABLE OPERATING CONDITIONS</a>
17 <sup>10</sup> – 17 <sup>30</sup>	Živomir Matić, dipl.inž. hem. tehnologije, Radoslav Milanović, dipl. maš. inž. JP ELEKTROPRIVREDA SRBIJE, Ogranak Termoelektrane „Nikola Tesla“, TE Kolubara, Veliki Crljeni, <a href="#">THERMO- VISION DETECTION OF INTERNAL DEFECTS IN THE BOILER EVAPORATOR TUBES</a>
17 <sup>30</sup> – 17 <sup>50</sup>	Ivan Joksimović, University of Belgrade, Vinča Institute of Nuclear Sciences, Belgrade Vladimir Stevanović, Milan Petrović, University of Belgrade, Faculty of Mechanical Engineering <a href="#">MODELING OF TWO-PHASE FLOW AND HEAT TRANSFER IN THE VERTICAL STEAM GENERATOR</a>
17 <sup>50</sup> – 18 <sup>10</sup>	Marija Gajević, Milada Pezo, University of Belgrade, VINCA Institute of Nuclear Sciences, Laboratory for Thermal Engineering, Belgrade Vladimir Stevanović, University of Belgrade, Faculty of Mechanical Engineering <a href="#">MODELING OF THE WALL-FLUID DRAG FORCE UNDER THE CONDITIONS OF TRANSVERSE TWO-PHASE FLOW ACROSS TUBE BUNDLES IN VERTICAL STEAM GENERATOR</a>
18 <sup>10</sup> – 18 <sup>30</sup>	Ana Stanišić, University of Belgrade, VINCA Institute of Nuclear Sciences, Laboratory for Thermal Engineering, Belgrade <a href="#">TO BE DEFINED</a>

<b>16<sup>30</sup></b>	<p align="center"><b>PREDAVANJA po sesijama/ SESSIONS LECTURES</b></p> <p>Sesija: Ekološki problemi hidro/termo elektrana  Session: Thermal/hydro Power Plants environmental problems  <b>SALA SAVA HOTELA PALISAD (u prizemlju Kongresnog centra)</b>  Predsedavaju: Prof. dr Vladan Ivanović, dr Zoran Marković</p>
<b>16<sup>30</sup> – 16<sup>50</sup></b>	<p>Cvjetan Mitrović, Ana Mitić, Sanja Petrović Bećirović (Energoprojekt Entel a.d. Beograd  <b>PROBLEMATIKA PRIMENE NAJBOLJIH RASPOLOŽIVIH TEHNIKA ZA SMANJENJE EMISIJA ZAGAĐUJUĆIH MATERIJA U VAZDUH ZA POTREBE PRIBAVLJANJA INTEGRISANE DOZVOLE (IPPC DOZVOLE) - PRIMER JKP "BEOGRADSKE ELEKTRANE"</b></p>
<b>16<sup>50</sup> – 17<sup>10</sup></b>	<p>Ilija Stevanović, Mladen Ostojić, Sava Dobričić, Darko Jevtić, Univerzitet u Beogradu, Elektrotehnički institut Nikola Tesla, Beograd  Bojan Radojičić, JP ELEKTROPRIVREDA SRBIJE, Ogranak Termoelektrane "Nikoal Tesla"  <b>POVEĆANJE EFIKASNOSTI RADA ELEKTROFILTERA NA BLOKU A4 U TE „NIKOLA TESLA“ POBOLJŠANJEM ELEKTRIČNOG NAPAJANJA ELEKTRODA</b></p>
<b>17<sup>10</sup> – 17<sup>30</sup></b>	<p>Dragan Miljanović, TPP UGLJEVIK, Bosnia and Herzegovina, Republika Srpska  Predrag Stefanović, Milić Erić, Zoran Marković, Belgrade University, VINCA Institute of Nuclear Sciences, Laboratory for Thermal Engineering  Goran Rikić, TPP UGLJEVIK, Bosnia and Herzegovina, Republika Srpska  <b>REDUCTION OF PARTICULATE EMISSIONS BY MODERNIZATION OF ELECTROSTATIC PRECIPITATOR AT THERMAL POWER PLANT UGLJEVIK</b></p>
<b>17<sup>30</sup> – 17<sup>50</sup></b>	<p>Vladan Ivanović, Esad Tombarević, Mašinski fakultet Podgorica, Crna Gora  <b>JEDAN OD NAČINA PROVERE UTICAJA TERMoeLEKTRANE NA STEPEN ZAGAĐENOSTI PM10 ČESTICAMA U PLJEVLJIMA</b></p>
<b>17<sup>50</sup> – 18<sup>10</sup></b>	<p>Radojica Graovac, Dragomir Marković, Energoprojekt Entel plc, Beograd Srbija  <b>APPLICATION OF UNMANNED AERIAL VEHICLES (UAVS – DRONES) AT POWER PLANTS</b></p>
<b>18<sup>10</sup> – 18<sup>30</sup></b>	<p>Nikola Živković, Predrag Stefanović, University of Belgrade, "Vinča" Institute for Nuclear Sciences, Belgrade, Serbia  Emila Živković, University of Belgrade, Faculty for Technology and Metallurgy, Belgrade, Serbia  Milić Erić, Zoran Marković, University of Belgrade, "Vinča" Institute for Nuclear Sciences, Belgrade, Serbia  <b>COMPARISON OF THE CLASSICAL LIME/LIMESTONE AND WET REGENERATIVE ABSORPTION PROCESS BASED ON PHYSICAL/CHEMICAL ABSORPTION IN ORGANIC SOLVENTS FOR FLUE GAS DESULPHURISATION</b></p>
<b>18<sup>30</sup></b>	<p>Zatvaranje konferencije/ Closing ceremony  <b>SALA TARA HOTELA PALISAD (na III spratu Kongresnog centra)</b></p>
<b>20<sup>30</sup></b>	<p><b>KONFERENCIJSKA SVEČANA VEČERA / CONFERENCE DINNER</b></p>