



POWER PLANTS 2021 ELEKTRANE 2021



Date: 17.11.2021 (FIRST DAY OF THE CONFERENCE)

Time: 09:30-16:40

Organization: Society of Thermal Engineers of Serbia

**Venue: Congress Hall 211, University of Belgrade Faculty of Mechanical Engineering,
Kraljice Marije 16, Belgrade, Serbia**

Opening ceremony of the International Conference POWER PLANTS 2021

Time	Contribution	Speaker
09:30	Introductory word of the President of the Society of Thermal Engineers of Serbia	Prof Dr Milan Radovanović
	Welcome speech of the Dean of Mechanical Engineering Faculty of the University of Belgrade, Serbia	Prof dr Vladimir Popović
	Introductory word of the President of the Energy Agency of the Republic of Serbia (AERS)	Mr Dejan Popović
	Introductory word of the representative of the PE "Elektroprivreda Srbije" (EPS)	To be confirmed
	Introductory word of the representative of the Ministry of Education, Science and Technological Development of the Republic of Serbia	To be confirmed
	Introductory word of representative of the Ministry of Environmental Protection of the Republic of Serbia	To be confirmed
	Introductory word and official opening of the International conference POWER PLANT 2021 by Deputy Prime Minister and Minister of Mining and Energy of the Republic of Serbia	Prof Dr Zorana Mihajlović
10:30	Welcome cocktail and refreshment. Press release (optional)	

Date: 17.11.2021
Time: 11:00-13:30
Venue: Congress hall 211

Session 1: IMPLEMENTATION OF NEW POLICIES, TECHNOLOGIES, INNOVATIVE SOLUTIONS AND EQUIPMENT, INVITED LECTURES

Time	Contribution	Speaker
11:00-11:25	AERS INFLUENCE ON GROWTH AND DEVELOPMENT OF THE ENERGY FIELD OF THE REPUBLIC OF SERBIA	Dr Aca Marković, AERS
11:25-11:50	CHALLENGES OF GREEN TRANSITION IN THE ELECTRICITY SECTOR OF SERBIA	Dragan Vlasisavljević, EPS
11:50-12:15	USE OF BIOMASS AND HYDROGEN IN THERMAL POWER PLANTS TOWARDS EU CARBON NEUTRALITY	Marc D. Jedamzik, Mitsubishi Power Europe Ltd.
12:15-12:40	MITSUBISHI POWER CONTRIBUTION: CURRENT PROJECTS IN THE AREA OF ENVIRONMENT PROTECTION IN SERBIA AND REGION AND NEW TECHNOLOGY (CCS) FOR THE FUTURE	Takashi Muramoto, Mitsubishi Heavy Industries
12:40-13:05	CRITICAL TIMES FOR POWER PLANTS	Dr Miodrag M. Mesarović, Academy of Engineering Sciences of Serbia
13:05-13:30	DEVELOPMENT AND EVALUATION OF A STRATEGY FOR MACEDONIAN ENERGY TRANSITION	Academician Gligor Kanevče, Macedonian Academy of Sciences and Arts, North Macedonia
13:30-14:00	Coffee break	



Date: 17.11.2021
Time: 14:00-16:30
Venue: Congress hall 211

**Session 2: THERMAL/HYDRO/WIND/SOLAR AND OTHER POWER PLANTS OPERATION CHALLENGES,
INVITED LECTURES**

Time	Contribution	Speaker
14:00-14:25	SOLUTION FOR MODERNIZATION OF A 300 MW STEAM TURBINE PLANT	Prof Dr Milan V. Petrović, Mech.eng.Faculty Belgrade
14:25-14:50	TESTING AND ANALYSIS OF OPERATION OF A 210 MW STEAM TURBINE	Srđan Milić, Mech.eng.Faculty Belgrade
14:50-15:15	THE ESTIMATION OF FUEL NITROGEN DISTRIBUTION DURING THE DEVOLATILIZATION PROCESS OF COAL BY TG-DTG-MS ANALYSIS	Prof Dr Dragoslava Stojiljković, Mech.eng.Faculty Belgrade
15:15-15:40	SERVICEABILITY OF X10CrMoVNb91 MATERIAL WITH LOWER PROPERTIES THAN REQUIRED BY STANDARD AND THE IMPORTANCE OF TECHNICAL DELIVERY REQUIREMENTS	Prof Dr Gordana Bakić, Mech.eng.Faculty Belgrade
15:40-16:05	DETERMINATION OF THE AVERAGE ANNUAL EFFICIENCY BY ADAPTED MEASUREMENT PROCEDURE ON CHP PLANTS	Dr Dejan Cvetinović, VINCA Institute, Belgrade
16:05-16:30	IMPLEMENTATION OF LOW TEMPERATURE DISTRICT HEATING AND PROSUMER AS A NEW ACTOR IN DISTRICT HEATING	Prof Dr Nataša Nord, Norwegian University of Science and Technology
End of the presentations in this room		



Date: 17.11.2021
Time: 14:00-16:40
Venue: Room No. 1

Session 3: ENVIRONMENTAL ASPECTS OF POWER PLANTS OPERATION, CONFERENCE PAPERS

Time	Contribution	Speaker
14:00-14:20	IMPROVING THE OPERATION OF THERMAL POWER FACILITIES OF PE "ELECTRIC POWER INDUSTRY OF SERBIA" BY THE ENVIRONMENTAL REQUIREMENTS	Milena Đakonović, EPS
14:20-14:40	COMPARATIVE ANALYSIS OF DIFFERENT NUMERICAL SIMULATIONS OF THERMAL POLLUTION CAUSED BY THE OPERATION OF A THERMAL POWER PLANT	Milica Jovčevski, Mech.eng.Faculty Niš
14:40-15:00	THE NUMERICAL APPROACH OF THERMAL POLLUTION FROM THERMAL POWER PLANTS	Milica Jovčevski, Mech.eng.Faculty Niš
15:00-15:20	INFLUENCE OF THERMAL POWER PLANT OPERATION ON RADIONUCLIDE CONTENT IN SOIL	Dr Jelena Krneta Nikolić, VINCA Institute, Belgrade
15:20-15:40	THERMODYNAMIC TOOLS FOR OPTIMISATION OF THE HIGH-TEMPERATURE DECOMPOSITION OF PCB IN THERMAL PLASMA	Nada Milutinović, VINCA Institute, Belgrade
15:40-16:00	HAZARDOUS WASTE MANAGEMENT AND SUITABLE WASTE-TO-ENERGY CONVERSION TECHNOLOGIES IN THE REPUBLIC OF SERBIA	Jovana Anđelković, VINCA Institute, Belgrade
16:00-16:20	COMPARISON OF IMPACT ON THE ENVIRONMENT BETWEEN THERMAL POWER PLANT AND PHOTOVOLTAIC POWER PLANT	Vladimir Mijakovski, University "St. Kliment Ohridski", North Macedonia
16:20-16:40	DECOMPOSITION RATE OF OCTADECYLAMINE (ODA)	Dr Sonja Vidojković, Institute of Chemistry, Technology, and Metallurgy, Belgrade
End of the presentations in this room		

