



INTERNATIONAL FORUM FOR CLEAN ENERGY TECHNOLOGIES

14th INTERNATIONAL FORUM OF CLEAN ENERGY TECHNOLOGIES

ENERGY OF SERBIA ***POST-PANDEMIC STEP FORWARD INTO THE FUTURE***



Novi Sad, September 28–29, 2021

**THE FIRST INFORMATION ABOUT THE EVENT AND
INVITATION OF PARTICIPANTS**

www.dept.uns.ac.rs

Dear ladies and gentlemen and dear friends,

After thirteen consecutive International Forums on Clean Energy Technologies there was one-year break due to the pandemic. The 2020 Forum was not held. Now, when we are preparing this First Information, we sincerely hope that on September 28 and 29, we will be able to act in the spirit of the title of this year's forum: ENERGY OF SERBIA - POST-PANDEMIC STEP FORWARD INTO THE FUTURE. At this moment, we hope that it is quite clear that this gathering will be one of the first to be held in the post-pandemic period.

After three years of presenting the TOP ENERGY award for the most successful projects in the field of energy, we are going to continue with recognizing creditable individuals for the development of scientific and professional thinking in Serbia and in the Southeast Europe. Despite the pandemic, the activities have not stopped but they have been carried out in difficult conditions. Now, it is the moment when we have to completely restart and correct the plans for further development of our energy sector.

For a long period of time, the Republic of Serbia has been making special efforts in the process of improving its own energy security and in building its infrastructure in order to meet growing energy demand. Almost identical processes are happening in other countries in the region of the Southeast Europe. This, once again, confirms the fact that no one in this region can allow its passivity or become an isolated energy island. The amendment and supplement of some legal regulations indicates a very important process for the decentralization of energy production and the activation of private initiative in the construction of small plants for the production of electricity, as well the active participation of the state in increasing energy efficiency of buildings. These are topics that we would like to elaborate completely and to give our contribution in order to improve effects of the implementation of measures aimed at increasing energy efficiency and greater use of renewable energy sources. These are all steps that lead to a decarbonized society.

The decision of the Program Committee of the 14th Forum (under the auspices of the Assembly of the Autonomous Province of Vojvodina and in co-organization with the Provincial Secretariat for Energy, Construction and Transport and the Chamber of Commerce and Industry of Vojvodina) is for this year's focus to be the identification of concrete processes and projects and their energy improvement by means of new technologies and solutions. All this certainly leads to the achievement of the preset common European objectives. These objectives are clearly stated in the EU Energy Roadmap 2050, which offers a very innovative approach to the achievement of final targets and courageous quantification of these targets with the projection into the present in order to consider overall needs for the change of the economic and social system that will take us to these targets. Such an approach requires very dynamic and flexible energy policies of all those who want to belong to the corps of successful nations. In addition, well-controlled mechanisms for monitoring the implementation of these policies are crucial for the success. These are preconditions for the dynamic change of policies and for the creation of a new quality, which is reflected in constant changes and adjustments to the dynamic environment.

Our common vision is that this year's two-day work of the Forum should encourage more creative and more concrete use of available potentials in clean energy in this area, initiate further cooperation and energy development in the region and guide our future towards high targets of the EU Energy Roadmap 2050 by means of the credibility of future presented concepts, technological solutions and scientific and professional papers.



In addition to the plenary session when the highest officials of the host country and distinguished guests from abroad will address the audience, the first day of the Forum will be dedicated to the consideration and actualization of necessary activities in the process of the implementation of the adopted energy strategy, as well as to emphasizing required changes in the conditions of the new “normal” situation that is in front of us.

Also, during the opening ceremony of the Forum, the TOP ENERGY 2021 awards will be given for the most successful projects in the field of energy in Serbia and in the countries of the Southeast Europe in the previous year. In all working sessions, panel discussions will be opened after presentations and in the final common conclusion they should provide clear messages about possible more dynamic sustainable development of the energy sector in Serbia and in the region until 2050.

The second day of the Forum, under the co-sponsorship of the Chamber of Commerce and Industry of Vojvodina, will be especially focused on considering realized business projects in the country and abroad in the thematic session REALIZED PROJECTS IN THE FIELD OF ENERGY, ENERGY EFFICIENCY, RENEWABLE SOURCES OF ENERGY AND ENERGY MANAGEMENT.

This year we are also going to publish a special edition of the “EKolist” and present not only general information but also several papers by invitation. These papers will be also available in electronic form as a supplement.

We take this opportunity to invite you to take part in the year's Fourteenth Forum “ENERGY OF SERBIA – POST-PANDEMIC STEP FORWARD INTO THE FUTURE” and to give your contribution in the creation of a vision of the energy future, as well as in the realization of business projects and in strengthening mutual relations and energy security in the Republic of Serbia and in the countries of the Southeast Europe.

Respectfully Yours,

Tihomir Simić, D.Sc.
Chairman of the Forum

Ivo Vajgl
Co-Chairman of the Forum

June, 2021



THE FORUM IS SPONSORED BY



РЕПУБЛИКА СРБИЈА
АУТОНОМНА ПОКРАЈИНА ВОЈВОДИНА
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Fakultet tehničkih nauka
Novi Sad

THE FORUM IS CO-ORGANIZED BY



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FORUM PROGRAM COMMITTEE

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Ivo Vajgl	Co-Chairman of the Forum , INEA — Institute for European Affairs, Dusseldorf, Germany
Prof. Dušan Gvozdenac, D.Sc.	Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia
Prof. Srđan Kolaković, D.Sc.	Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia
Prof. Milan Radovanović, D.Sc.	Society of Thermal Engineers of Serbia, Belgrade, Serbia
Boško Vučurević	Chamber of Commerce and Industry of Vojvodina, Novi Sad, Serbia
Assoc. Prof. Miroslav Kljajić, D.Sc.	Faculty of Technical Sciences , University of Novi Sad, Novi Sad, Serbia

FORUM ORGANIZING COMMITTEE









Daliborka Zmijanac	Executive Manager of the Forum
Assoc. Prof. Damir Đaković , D.Sc.	Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia
Assoc. Prof. Branka Gvozdenac Urošević, D.Sc.	Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia
Monika Protić	Autonomous Province of Vojvodina, Assembly of the Autonomous Province of Vojvodina, Novi Sad, Serbia
Zoran Trpovski	Chamber of Commerce and Industry of Vojvodina, Novi Sad, Serbia

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Assoc. Prof Siniša Bikić, D.Sc.	Faculty of Technical Sciences , University of Novi Sad, Novi Sad, Serbia



13th FORUM POOL

 <p>1919 ПРИВРЕДНА КОМОРА ВОЈВОДИНЕ</p>	<p>Chamber of Commerce and Industry of Vojvodina 11, Hajduk Veljkova Street, 21000 Novi Sad, Serbia +381 21 4803 700; http://www.pkv.rs/</p>
<p>BK Tesla d.o.o.</p>	<p>BK Tesla d.o.o. Terazije 28, 11000 Beograd, Srbija +381 11 4141 050; http://www.bktesla.rs/</p>
	<p>"EPS" Distribution LLC. 1-3, Masarikova Street, 11000 Belgrade, Serbia +381 11 3616 706; http://www.epsdistribucija.rs/</p>
	<p>INSTITUTE "MIHAJLO PUPIN", IMP – "AUTOMATIKA" LLC 15, Volgina Street, 11000 Belgrade, Serbia +381 11 2771 017; http://www.pupin.rs/organizacija-imp/imp-automatika/</p>
<p>SAGA new frontier group</p>	<p>SAGA LLC 9, Milentija Popovića Street, 11070 Belgrade, Serbia +381 11 3108 500; http://www.saga.rs/</p>
	<p>INTEKOM LLC 10/8, Španskih Boraca Street, 11070 Belgrade, Serbia +381 11 311 10 17; sasa.nikolic@intekom.rs</p>
	<p>ION Solutions 3, Heroja Pinkija Street, 21000 Novi Sad, Serbia +381 21 47 544 24; http://ionsolutions.net/</p>
	<p>TotalObserver 46, Bulevar Cara Lazara Street, 21000 Novi Sad, Serbia +381 21 300 11 60; http://www.totalobserver.com</p>
	<p>VODAVODA LLC. Bb, Gornja Toplica Street, 14242 Mionica, Serbia info@arteska.com; http://www.vodavoda.com/</p>
	<p>COTTON Novi Sad 3, Dunavska Street, 21000 Novi Sad, Serbia +381 21 528 623; http://www.cotton.rs/</p>

13th FORUM MEDIA PARTNERS



PRELIMINARY PROGRAM

First Day (Tuesday, September 28, 2021)
Central Hall, Assembly of the Autonomous Province of Vojvodina,
Entrance– Banovinski Prolaz, 21000 Novi Sad

PLENARY SESSION – ENERGY OF SERBIA - POST-PANDEMIC STEP FORWARD INTO THE FUTURE	
08:30 – 09:30	Registration of participants
09:30 – 10:30	<p>Welcome speeches of high officials of the Serbian Government and republic institutions, high officials of the Province of Vojvodina, President of the Chamber of Commerce and Industry of Serbia and President of the Chamber of Commerce and Industry of Vojvodina, Ministers of countries in the region of the Southeast Europe, Ambassadors and Heads of International Missions accredited in the Republic of Serbia</p> <ul style="list-style-type: none"> - European Energy Objectives until 2050 – Energy Challenges for Serbia - Wide mobilization relevant to the implementation of legal regulations and bylaws
Presentation of the TOP ENERGY 2021 awards and ceremonial opening of the Forum	
FIRST WORKING SESSION – ENERGY STRATEGIES AND HOW TO REALIZE THEM	
11:00 – 13:00	<p>Presentations of representatives from the Institutions of the EU and European Regions, Energy Community, Energy Agency of the Republic of Serbia, Ministry of Mining and Energy of the Republic of Serbia, Provincial Government of the Autonomous Province of Vojvodina and main stakeholders of energy development in the Republic of Serbia and in the region of the Southeast Europe</p> <ul style="list-style-type: none"> - Energy Developments in the EU Countries - National Projects in the Republic of Serbia - Retrospective of Successfully Implemented Priorities in the Serbian Energy Sector - Vision and Prospects of Further Sustainable Energy Development of the Republic of Serbia - The Share of Local Self-Governments in the Implementation of the Energy Policy (Vertical Coordination) <p>Panel Discussion</p>
SECOND WORKING SESSION – ENERGY INTEGRATION FOR THE SMART FUTURE	
13:00 – 15:00	<p>Presentations of representatives of the Energy Community, representatives of the Provincial Government of the Autonomous Province of Vojvodina and local self-governments, representatives of the bearers of the development of the Smart City, European Technology Platform and companies engaged at the territory of the Republic of Serbia and in the region of the Southeast Europe</p> <ul style="list-style-type: none"> - Efficient Use of Natural Resources and Successful Regional Concepts for Energy Development - Clean Energy Technologies, Renewable Energy Sources, Energy Efficiency and Intelligent Networks - The Future of Small Photovoltaic Plants and the Role of the Local Self-Government in Its Implementation - Vision of the Smart City Development Concept and the Use of Clean Energy Technologies at the Territory of the Republic of Serbia and in the East and Southeast Europe - Modern Energy Management <p>Panel Discussion</p>
15:00 – 16:00	



Second Day (Wednesday, September 29, 2021)
Main Hall, Chamber of Commerce and Industry of Vojvodina
11, Hajduk Veljkova Street, 21000 Novi Sad

THIRD WORKING SESSION	
PROJECT IMPLEMENTED IN THE FIELD OF ENERGY, ENERGY EFFICIENCY, RENEWABLE ENERGY SOURCES AND ENERGY MANAGEMENT	
9:00 – 11:30	<ul style="list-style-type: none"> • ADDRESS OF THE PRESIDENT OF THE CHAMBER OF COMMERCE AND INDUSTRY OF VOJVODINA, OFFICIALS AND CHAINMAN OF THE FORUM • SCIENTIFIC AND EXPERT PAPERS IN THE FIELD OF CLEAN ENERGY TECHNOLOGIES ACCORDING TO THE FOLLOWING TOPICS:
	A. Commercial Clean Energy Technologies Solar Thermal Energy – Photovoltaic Solar Technologies – Biomass Energy – Wind Energy – Waste Energy – Other Renewable Sources of Energy – Hybrid Renewable Energy Systems
	B. Energy Efficiency and Energy Conversions Measures for the Increase of Energy Efficiency – Energy Efficiency in Buildings – Energy Efficiency in Industry and in Public Sector – Energy Efficiency in Transport – Regulations and Standards for Energy Efficiency i
	C. Cooling Techniques and New Technologies Natural Cooling Devices – Specific Use and Technical Solutions for Natural Cooling Devices – Regulations and Standard in the Field – Energy Efficiency and New Technologies in Cooling Techniques
	D. New Energy Materials and Energy Storage Nanostructures in the Energy Sector – Fuel Cells Materials – Renewable Energy Technology Materials – High Temperature Process Materials – Hydrogen Storages – Electrochemical Energy Storages: Batteries and Super-Capacitors – Solar Cell Materials
	E. Modeling and Simulation of Energy Processes Energy Optimization – Energy Forecasts – Energy Simulation Models – Unreliability and Risk Assessment
	F. Energy Management, Policies ad Economics Analysis of Energy Supply and Consumption – Issues of Energy Security – Service Lifetime of Energy Projects – Legal Framework and Energy Policy – Dynamics of the Energy Market – Capacity Building of Human Resources and Raising Awareness
	G. Energy Sector and Environmental Protection Environmental Impact Assessment of Energy Projects – Environmental Impact Analysis of Energy Project Emissions – Analysis of Energy Sustainability – Carbon Trade – Storage of Carbon Dioxide from Combustion Products – Waste Disposal and Closing of Energy Plants
	H. Development of Energy Technologies Smart Grids – Fuel Cells and Hydrogen Energy – Micro and Nano Technologies – Heat Pumps and Heat Pipes – Electric Vehicles – Micro Grids – Combined Cycles and Cogeneration Plants – Clean Coal Technologies – Artificial Photosynthesis – Development of Other Energy Technologies

FORTH WORKING SESSION	
IMPLEMENTED PROJECTS	
11:45 – 13:00	Presentation of Implemented Projects

FINAL SESSIONS	
CONCLUSIONS AND CEREMONIAL CLOSING OF THE FOURTEENTH INTERNATIONAL FORUM ON CLEAN ENERGY TECHNOLOGIES	
Chairman of the Forum: Tihomir Simić, Novi Sad, Serbia	
13:00 – 13:30	Proposal of Conclusions of the 14th Forum and Ceremonial Closing of the Event
13:30 – 14:30	Refreshments and B2B Meetings



IMPORTANT DATES AND DEADLINES

PAPER SUBMISSION

In addition to the title of the paper, the application should also contain the extended abstract of the paper (up to 4 pages) and information about the author and/or authors (name and surname, position, name and address of the institution, telephone number and email address). Papers should be submitted by August 15, 2021. Detailed instructions for the preparation of the extended abstract will be published on the Forum website.

PAPER ACCEPTANCE

Authors will be notified about the acceptance of their papers by September 1, 2021.

PAPER PRESENTATION

The organizer should receive Power Point Presentations of papers by September 15, 2021.

FORUM LANGUAGES

The official languages of the Forum are Serbian and English. All oral presentations will be simultaneously interpreted in both languages and in the language of the guest's country.

The Collection of Paper Abstracts will be published in both languages.

CONTACT

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For all detailed information regarding abstracts and presentations, please contact us at the above address by electronic mail or telephone.

The Second Information will be available by September 6, 2021.

