



**VIII International Forum for Clean Energy Technologies
2014 ENERGY CHARTER = SUSTAINABLE DEVELOPMENT OF
SERBIA**

Novi Sad, 30th September – 1st October 2014



***First Information about the Event
and
Invitation of Participants***

www.peec.uns.ac.rs

Ladies and Gentlemen,
Dear Friends,

Sustainable development and energy security represent a strategic consistency for all countries thinking about sustainable development as the basis for their own better future. The focus of the work and discussions at this year's Forum on Clean Energy Technologies (hereinafter referred as the: Forum) on raising the question about the creation of the plan for the operationalization of the Energy Charter of the Republic of Serbia in 2014 is based on the need to identify as realistically as possible our current energy potentials and possibilities, as well as to identify the degree of achieved objectives defined in the National Development Strategy. The comparative evaluation of our defined goals in relation to previously programmed European and regional energy development strategies and their implementation can only depict realistic perspectives of sustainable development and energy future of the Republic of Serbia.

The Program Committee of the Forum has concluded that after many years of modest advances in the field of energy, the Republic of Serbia should intensify its activities not only in the field of improving regulatory basis for the development of energy sector but also relevant to the initiation of the construction of major capital projects. In this way, the preconditions for the arrival of already confirmed results in European countries in the implementation of their strategy EUROPE 2020-30-50 will be enabled. We are confident that many years of our joint efforts with all relevant national and provincial institutions in the energy sector have contributed to ensuring a new objective view onto our energy security. At the same time, we should be aware of consequences of our inactivity and failure to adapt to climate changes and consider them as real risks in order to permanently prevent emergency situations and disasters. A safe way to overcome these challenges is, among other things, progressive drafting of a new national policy for sustainable development with a particular emphasis on energy security, energy efficiency, the use of renewable energy sources and clean energy technologies in general.

In order to continuously increase our energy efficiency and the use of renewable energy sources, it is necessary to effectively manage energy consumption in real time and at the same time to institutionalize a unique government's framework - Energy Charter as a tool for continuous and systematic prevention of excessive use of energy and reduction of losses in power distribution systems. First of all, this requires knowledge about energy management and active use of new technological developments in order to ensure measurement of performances and the situation in real time of all elements of the national energy system. It is very important to provide conditions so that energy consumption becomes absolutely controlled current social process of national interest from the technological and economic aspects. The main aim for enacting and signing the Energy Charter is to establish vertical control and to foster the implementation of national strategies and plans. This requires significantly better organization of management, efficient energy management and struggle to change consumers' behavior and, in particular, to change long ago overcome habits in lives of our citizens and to adopt imperative and permanent energy savings. Therefore, the Forum is intending to permanently consider the development of services in the field of energy efficiency and the use of renewable energy sources as a social and technological priority of Serbia. According to many indicators, the Republic of Serbia is still significantly lagging behind in creating its own energy efficiency policy capable of providing its realistic sustainable development in the future which is today successfully implemented in the EU member counties. In joint efforts of all national entities, this should be changed for the better.

The first day of the Forum will be dedicated to reviewing and actualization of the strategic basis for the energy policy and sustainable development of the Republic of Serbia, as well as to considerations of experiences of countries in the region and the EU and presentations of papers by invited participants. The Program Committee will in direct contacts with authors choose topics aimed at achieving planned objectives of the Forum: Launching Energy Charter with a special emphasis on the need to create maneuvering space for organized and daily activities on the implementation of projects in the field of energy efficiency and broad application and development of renewable energy technologies and at building the environment for mass use of clean energy technologies. After all working sessions and presentations during them, discussions will be opened which should finally offer clear messages to the government institutions and to general public about possible future sustainable development of the energy sector in Serbia until 2020. The second day of the Forum, with the co-sponsorship of the Chamber of Commerce and Industry of Serbia and Chamber of Economy of Vojvodina will be especially focused on considerations and implementation of the mission of the chamber system in the achievement of goals of the national energy policy and to presentations of practical, realized business projects in the country and abroad, as well as B2B meetings of potential partners. We expect that presentations of affirmative experiences of business representatives should encourage wider application and development of clean energy technologies in Serbia. Also, during the second day, panels on current topics will be opened such as "Biofuels in the Region" with the support of the National Petroleum Committee of Serbia - World Petroleum Council and "Biomass Market" with the support of the Society of Thermal Engineers of Serbia.

I would like to invite you to take part in this year's Eight Forum and to give your contribution in creating a vision of our country's energy and business projects, as well as to strengthening mutual relations and energy security of regions in the Southeast Europe.

Respectfully yours,
Tihomir Simić, PhD
Chairman of the Forum

June 2014

FORUM IS SUPPORTED BY



Republic of Serbia
Autonomous Province of Vojvodina
Assembly of Autonomous Province of Vojvodina



National Petroleum Committee of Serbia - World Petroleum Council



SOCIETY OF THERMAL ENGINEERS OF SERBIA



FORUM IS ORGANIZED BY



Faculty of Technical Sciences
Novi Sad

PROGRAM COMMITTEE OF THE FORUM

Tihomir Simić, PhD	Chairman of the Forum
Ivo Vajgl	Co-Chairman of the Forum, INEA – Institute for European Affairs, Dusseldorf, Germany
Professor Dušan Gvozdenac, PhD	Faculty of Technical Sciences, Novi Sad, Serbia
Professor Miroslav Vesković, PhD	University of Novi Sad, Novi Sad, Serbia
Professor Slobodan Sokolović, PhD	National Petroleum Committee of Serbia, Belgrade, Serbia
Professor Rade Doroslovački, PhD	Faculty of Technical Sciences, Novi Sad, Serbia
Željko Sertić	Chamber of Commerce and Industry of Serbia, Belgrade, Serbia
Ratko Filipović	Chamber of Economy of Vojvodina, Novi Sad, Serbia
Professor Vojin Grković, PhD	Faculty of Technical Sciences, Novi Sad, Serbia

ORGANIZING COMMITTEE OF THE FORUM

Marijana Cupać, MEM	Executive Director of the Forum
Damir Djaković, PhD	Faculty of Technical Sciences, Novi Sad, Serbia
Branka Gvozdenac Urošević, PhD	Faculty of Technical Sciences, Novi Sad, Serbia
Miroslav Kljajić, MSc	Faculty of Technical Sciences, Novi Sad, Serbia
Dušan Vučićević, PhD	Chamber of Economy of Vojvodina, Novi Sad, Serbia
Jovan Vujičić, PhD	Chamber of Economy of Vojvodina, Novi Sad, Serbia

2013 FORUM POOL

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SIEMENS	Siemens Ltd. Omladinskih brigada 21, 11070 Belgrade, Serbia +381 11 2096 305; http://www.siemens.rs/
	Schneider Electric Serbia Ltd. Vladimira Popovića 38-40, 11070 New Belgrade, Serbia +381 11 3773 100; http://www.schneider-electric.rs/
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	SAGA Ltd. Milentija Popovića 9, 11070 Belgrade, Serbia +381 11 3108 500; http://www.saga.rs/
	Elnos BL Ltd. Blagoja Marjanovića Moše 6, 11070 New Belgrade, Serbia +381 11 3016 171; http://www.elnosbl.com/
	Energotehnika – Južna Bačka Ltd. Put novosadskog partizanskog odreda 1, 21113 Novi Sad, Serbia +381 21 4877 222; http://www.entjuba.rs/
	ION Solutions Ltd. Vladike Platona 8, 21000 Novi Sad, Serbia +381 21 4754 424; http://www.ionsolutions.net/
eCONTROL	eCONTROL Ltd. Petra Drapšina 27, 21000 Novi Sad, Serbia +381 21 6726 232; http://www.econtrol.rs/
	KARMAL INTERNATIONAL INC. 10-8707 Dufferin St. Suite 123, ON.L6J 0A6, Vaughan, Canada +001 905 417 2901; http://www.karmalinternational.com/
	BDI - BioEnergy International AG Parkring 18, A-8047 Grambach/Graz, Austria sales@bdi-bioenergy.com http://www.bdi-bioenergy.com/

Preliminary Program
First Day (Tuesday, 30th September 2014)
Central Hall, Assembly of the Autonomous Province of Vojvodina,
Vladike Platona bb, 21000 Novi Sad

Invited Lecturers and Thematic Discussions per Sessions

PLENARY SESSION – ENERGY SECURITY AS A CONDITION FOR SUSTAINABLE DEVELOPMENT

8:30 – 9:30	Registration of participants
9:30 – 11:00	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, Ministers of countries in the regions of the Southeast Europe, Ambassadors and Heads of International Missions accredited in the Republic of Serbia <ul style="list-style-type: none"> ▪ European Energy Objectives until 2030 – Energy Challenge for Serbia ▪ Energy Prospects of Countries in the Southeast Europe Ceremonial Opening of the Forum

FIRST WORKING SESSION –2014 NATIONAL CHARTER

11:00 – 14:00	Presentations of representatives of EU Institutions, Energy Community, Energy Agency of the Republic of Serbia, Ministry of Mining and Energy of the Republic of Serbia, representatives of major companies holders of energy development in the Republic of Serbia and in the region of Southeast Europe <ul style="list-style-type: none"> ▪ 2014 Energy Charter = Sustainable Development of Serbia ▪ Review of projects realized in the energy sector of Serbia in the last five years ▪ Vision and prospects of further sustainable development of the Republic of Serbia ▪ Consideration of realistic requirements of local authorities for the application of energy efficiency measures aimed at sustainable development Discussions
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SECOND WORKING SESSION– NEW ENERGY TECHNOLOGIES

14:15 – 17:00	Presentations of representatives of the Energy Community, representatives of the Smart Grid development, European Technological Platform, representatives of local authorities and companies operating at the territory of the Republic of Serbia and in the regions of the Southeast Europe <ul style="list-style-type: none"> ▪ Successful regional energy development concept ▪ Clean energy technologies, energy efficiency and smart grids ▪ Smart Grid concept of development and utilization of clean energy technologies at the territory of the Republic of Serbia and in the regions of the Southeast Europe ▪ Successful examples of the use of new energy technologies
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Second Day (Wednesday 1st October 2014)

Main Hall of Chamber of Economy of Vojvodina, Hajduk Veljkova 11, 21000 Novi Sad

THIRD WORKING SESSION

Projects Implemented in the Field of Energy Efficiency, Renewable Energy Sources and Energy Management

9:00 – 11:00	Welcome speech of the President of the Chamber of Economy of Vojvodina and the Chairman of the Forum <p>A. Renewable Energy Sources Solar Heat Energy – Photovoltaic Solar Technologies – Bio-Energy – Wind Energy – Waste Energy – Other Renewable Energy Sources – Hybrid Renewable Energy Systems</p> <p>B. Energy Efficiency and Energy Conversion Measure for Energy Efficiency Increase – Energy Efficiency in Buildings – Energy Efficiency in Industry and Public Buildings – Energy Efficiency in Transport – Energy Efficiency Regulations and Standards</p> <p>C. New Energy Materials and Energy Storage Nanostructure in Energy – Materials for Fuel Cells – Materials in Renewable Sources Technologies – Materials for High Temperature Processes – Hydrogen Storages – Electrochemical Energy Storages: Batteries and Super-Capacitors – Materials for Solar Cells</p> <p>D. Energy Processes Modeling and Simulation Energy Optimization – Energy Forecasts – Energy Simulation Models – Uncertainties and Risk Assessment</p> <p>E. Energy Management, Policies and Economics Analyses of Energy Supply and Consumption – Energy Security Issues – Service Lifetime of Energy Projects – Legal Framework and Energy Policy – Dynamics of Energy Market – Capacity Building and Raising Awareness</p> <p>F. Energy and Environmental Protection Energy Projects Environmental Impact Assessment – Estimates of Energy Projects Emission Effects – Analysis of Energy Sustainability – Carbon Trade – Storage of Combustion Carbon Dioxide – Waste Disposal and Energy Plants Closing</p> <p>G. Development of Energy Technologies Smart Grids – Fuel Cells and Hydrogen Energy – Micro and Nanotechnologies – Heat Pumps and Heat Pipes – Electrical Vehicles – Microgrids – Combined Cycles and cogeneration Plants – Clean Technologies of Coal Energy – Artificial Photosynthesis – Other Energy Technologies in Development</p>
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FOURTH WORKING SESSION

BIOFUELS IN THE REGION – SITUATION AND PROSPECTS

National Petroleum Committee of Serbia - World Petroleum Council

11:00 – 13:00	The session will be chaired by the representatives of the National Petroleum Committee of Serbia – World Petroleum Council
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FIFTH WORKING SESSION

BIOMASS MARKET

13:00 – 15:00	The session will be chaired by the representatives of the Society of Thermal Engineers of Serbia
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IMPORTANT DATES AND DEADLINES

Paper Submission

In addition to the title, the application should contain the summary (about 200 words) and information about authors (name and surname, title, name and address of the institution, telephone and email). Papers should be submitted by 5th August 2014.

Paper Acceptance

Authors will be notified about the acceptance of their papers by 31st August 2014 and instructions for manuscripts will be timely published on the Forum's website.

Final Version

Manuscripts should be delivered by 15th September 2014. The paper should not exceed fifteen A4 format pages written in MS Word format.

Notice: The second information will be available until 31st August 2014

LANGUAGES OF THE FORUM

Official languages of the Forum are Serbian and English. All oral presentations will be simultaneously interpreted in both languages.

The collection of paper abstracts will be published in both languages. All papers will be available at the Forum website.

CONTACT

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