

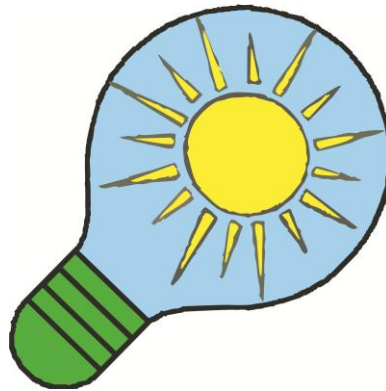


6th FORUM – PARTNER COUNTRY
REPUBLIC OF FINLAND

6th International Renewable Energy Forum SERBIAN ENERGY CHALLENGE

2020-30-50.

Novi Sad, 24-25th October 2012



Second Information

www.peec.uns.ac.rs
www.elektrovoivodina.rs

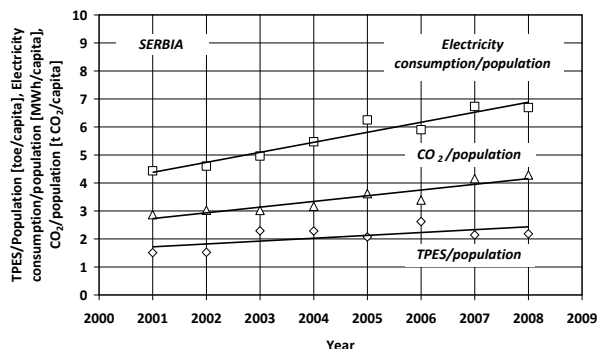


Within the Manifestation 2012 Energy Days from 23rd to 25th October 2012, Novi Sad

Ladies and Gentlemen, dear friends,

Every country has been faced with the necessity to change its energy policy as the consequence of the growth of energy prices, near exhaustion of fossil fuels and brought about climate changes. However, every country has reacted in a different way and has looked for optimum conditions for the development of the energy sector within own limitations of technical, economic and social nature.

After some time, it is possible to see the effects of enacted and applied energy policy at the national level. Some of energy indicators for Serbia in the period from 2001 to 2009 are given in the Figure below.



Some Energy Indicators for Serbia in the Period 2001 – 2009

Basic social and economic characteristics of the observed period are shortly as follows: mild fall of the number of population; slowed down economic growth; substantial rise of primary energy consumption per capita; substantial increase of carbon dioxide emissions per capita; GDP (ppp)/capita = 6,950 USD (2000) in 2008.

Shown trends are unfavorable which pints out to the existence of oversights in the implementation of the energy policy. This is a signal that some things have to be changed. The subheading of the Sixth Forum **SERBIAN ENERGY CHALLENGE 2020-30-50** is suggesting such a need.

The participation of the Republic of Finland at the forthcoming Forum as a partner country is the recognition of long term efforts of the Forum's Organizing Committee, Institute for European Affairs INEA from Dusseldorf, Provincial Energy Efficiency Centre and the sponsors – Provincial Secretariat for Energy and Mineral Raw Materials and Elektrovojvodina. Common expectations are that the work of the Forum will be materialized by efficient investments in the process of increasing energy efficiency, maximum use of renewable energy sources, beginning of the use of the smart grid concept and thus the creation of conditions for secure energy future of Vojvodina and Serbia.

We hope that at this Forum the participants will get the idea and vision of what the future of the energy sector in Serbia may look like and define the role of science and energy R&D in the process of transformation towards the sustainable European Energy System.

It is our great honor to announce that the panel discussion EDUCATION, SCIENCE, AND TECHNOLOGY - TRENDS AND ACHIEVEMENTS will be organized within the 6th Forum and thus mark the 50th anniversary of the Society of Thermal Engineers of Serbia.

After the 5th Forum, the Program Committee has launched the initiative to publish a special edition of our renowned magazine THERMAL SCIENCE with selected papers which have been presented at previous forums. This practice will be continued after the 6th Forum, as well.

Tihomir Simić, PhD

Program Committee President and Forum Chairman

FORUM'S SPONSORS



Government of the Autonomous Province of Vojvodina
Provincial Secretariat for Energy and Mineral Raw Materials



ORGANIZERS






FORUM'S PROGRAM COMMITTEE

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Ivo Vajgl	INEA – Institute for European Affairs, Dusseldorf, Germany
Prof. Rade Doroslovački, PhD	Faculty of Technical Sciences, Novi Sad, Serbia
Prof. Vladimir Katić, PhD	Faculty of Technical Sciences, Novi Sad, Serbia

FORUM'S TECHNICAL COMMITTEE

Marijana Cupać <i>Forum's Executive Director</i>	Elektrovojvodina Ltd. Novi Sad, Serbia
Jovan Petrović, PhD	Faculty of Technical Sciences, Novi Sad, Serbia
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Branislava Zubić	Provincial Secretariat for Energy and Mineral Raw Materials, Novi Sad, Serbia

FORUM'S POOL

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	ION Solutions Ltd. Vladike Platona 8, 21000 Novi Sad, Serbia +381 21 4754 424; http://www.ionsolutions.net/
	eCONTROL Ltd. Petra Drapšina 27, 21000 Novi Sad, Serbia +381 21 6726 232; http://www.econtrol.rs

Preliminary Program
The First Day (October 24th 2012, Wednesday)
Ceremonial Hall of The Assembly of the Autonomous Province of Vojvodina,
Vladike Platona bb, 21000 Novi Sad

8:30 – 9:30	Registration of participants
9:30 – 10:30	Ceremonial Opening of the 6th Forum> SERBIAN ENERGY CHALLENGE 2020-30-50 Introductory and Welcome Speeches
	ENERGY CHALLENGE - A CHANCE FOR THE FUTURE Tihomir Simić <i>Program Committee President and Forum Chairman, Novi Sad, Serbia</i>
	Nataša Pavičević Bajić <i>Provincial Secretary for Energy and Mineral Raw Materials, Novi Sad, Serbia</i>
	Bojan Kovačić <i>Director of Energy Efficiency Agency of the Serbian Government, Belgrade, Serbia</i>
	Ljubo Mačić <i>President of the Council of Energy Agency, Belgrade, Serbia</i>
	Representative of Electric Power Industry of Serbia
	Ivo Vajgl <i>President for Southeast Europe of INEA – Institute for European Affairs, Dusseldorf, Germany</i>
	Pekka Orpana <i>Ambassador of the Republic of Finland in Serbia, Belgrade, Serbia</i>
	WELCOME SPEECH OF THE DIPLOMATIC CORE REPRESENTATIVE Zorana Mihajlović <i>Minister of Energetics, Development and Environmental Protection, Belgrade, Serbia</i>
	Welcome Speech and Opening of the Forum Bojan Pažitić <i>Prime Minister of the Provincial Government, Novi Sad, Serbia</i>
10:30 – 11:00	Coffee Break Press Conference Joint Photograph (Assembly Hall)
FIRST SESSION	
11:00 – 11:30	EUROPEAN ENERGY CHALLENGE TOWARD 2050 <i>(Representative of EU institution)</i>
11:30 – 12:00	SUSTAINABLE AND EFFECTIVE ENERGY POLICY – EXPERIENCES FROM FINLAND Pentti Puhakka <i>Ministry of Employment and the Economy of Finland, Helsinki, Finland</i>
12:00 – 12:30	FINLAND – A LEADER IN CLEAN TECHNOLOGIES & ENERGY EFFICIENCY Santtu Hulkkonen <i>Cleantech Finland, Helsinki, Finland</i>
12:30 – 13:00	GERMAN ENERGY POLICY AFTER FUKUSHIMA (RENEWABLE ENERGY PLAN) Christoph Menke <i>University of Trier, Trier, Germany</i>
13:00 – 13:30	DO WE REALLY NEED ENERGY STRATEGY STUDY? (CROATIAN CASE) Slavko Krajcar <i>Faculty of Electrical Engineering and Computing, Zagreb, Croatia</i>
13:30 – 14:30	Lunch (Representatives Club in the Vojvodina Assembly)
SECOND SESSION	
14:30 – 15:00	ENERGY EFFICIENCY IN WASTE WATER ACTIVITIES <i>(Name of speaker will be decided later)</i> <i>Veolia Water Solutions & Technologies, Saint Maurice Cedex, France</i>
15:00 – 15:30	WASTE TO ENERGY IN LAHTI REGION Esa Ekholm <i>Cleantech Lahti, Lahti, Finland</i>
15:30 – 16:00	EXAMPLES OF FINISH BEST PRACTICES: HOW TO UTILIZE FOREST RESOURCES IN A SUSTAINABLE WAY Liisa Käär <i>Forestry Development Centre Tapio, Helsinki, Finland</i>

16:00 – 16:15	Coffee Break
THIRD SESSION	
16:15 – 16:30	ONE BUILDING – ONE VISION OF FUTURE ENERGETICS <i>Dušan Muškatirović</i> <i>Siemens, Belgrade, Serbia</i>
16:30 – 16:45	SYSTEM OF REMOTE MANAGEMENT IN MV NETWORK – FROM AN IDEA TO THE PROJECT OF SMART GRID <i>Dragan Đurić, Josip Aleksić</i> <i>Tehnounion, Sremska Kamenica, Serbia; Schneider Electric Serbia, Belgrade, Serbia</i>
16:45 – 17:00	SMART CITY – RELIABILITY THROUGH EFFICIENCY, SECURITY AND FLEXIBILITY <i>Josip Aleksić</i> <i>Schneider Electric Serbia, Belgrade, Serbia</i>
17:00 – 17:30	Discussion, Conclusions and Messages to the Public

The Second Day (October 25th 2012, Thursday)
Congress Center "Master", Hajduk Veljkova 11, 21000 Novi Sad

FOURTH SESSION

Presentation of Successful Projects in the Area of Energy Efficiency and Renewables

9:00 – 9:15	USE OF GEOTHERMAL ENERGY FOR AQUA PARK WATER HEATING IN BAČKI PETROVAC <i>Mile Stević, Milan Milutinov</i> <i>Energotehnika – Južna Bačka, Novi Sad, Serbia</i>
9:15 – 9:30	THERMAL ENERGY PLANT ON BIOMASS WITH THE CAPACITY UP TO 18 MW FOR DISTRICT HEATING IN SREMSKA MITROVICA <i>Dušan Turkulov, Milan Milutinov</i> <i>TURKULOV KNOW-HOW, Novi Sad, Serbia; Energotehnika – Južna Bačka, Novi Sad, Serbia</i>
9:30 – 9:45	MODELING OF BALED BIOMASS COMBUSTION PROCESS <i>Todor Janić, Saša Igić, Miladin Brkić</i> <i>Faculty of Agriculture, Novi Sad, Serbia; Faculty of economy and engineering management, Novi Sad, Serbia; Faculty of Agriculture, Novi Sad, Serbia</i>
9:45 – 10:00	INFLUENCE OF BAFFLES TO INCREASE OF GAS RESIDENCE TIME IN FURNACE <i>Borivoj Stepanov, Ivan Pešenjanski, Biljana Miljković</i> <i>Faculty of Technical Sciences, Novi Sad, Serbia</i>
10:00 – 10:15	ENERGY EFFICIENCY AND ENVIRONMENTAL IMPACT OF MANUALLY FIRED BIOMASS BOILERS <i>Saša Igić, Todor Janić, Miladin Brkić</i> <i>Faculty of economy and engineering management, Novi Sad, Serbia; Faculty of Agriculture, Novi Sad, Serbia; Faculty of Agriculture, Novi Sad, Serbia</i>
10:15 – 10:30	FINANCING PROJECTS FOR RENEWABLE ENERGY, ENERGY EFFICIENCY, WASTE TREATMENT AND ENVIRONMENTAL PROTECTION THROUGH FUNDS OF GLOBAL INSTITUTIONS <i>Gerhard Sabathiel, Aldin Čelović</i> <i>SA Finance, Vienna, Austria</i>
10:30 – 10:45	CONNECTION OF SMALL POWER PLANTS IN EXISTING SYSTEMS OF REMOTE MONITORING AND MANAGEMENT <i>Aleksandar Car</i> <i>Institut „Mihajlo Pupin“ – Automatika, Belgrade, Serbia</i>
10:45 – 11:00	INTEGRATION PROJECT OF TOTALOBSERVER SOLUTION FOR THE NEEDS OF ORGANIZATION, MONITORING AND PROPERTY MANAGEMENT OPTIMIZATION BY MAINTENANCE AND COST OPTIMIZATION – REVIEW OF ELECTRICITY DISTRIBUTION COMPANY ELEKTROVOJVODINA LTD NOVI SAD CASE <i>Boško Milosavljević, Zoran Miškov</i> <i>ION Solutions, Novi Sad, Serbia; Elektrovojvodina, Novi Sad, Serbia</i>
11:00 – 11:15	SMARTCITY NOVI SAD <i>Lazar Petrović</i> <i>ELNOS BL, Belgrade, Serbia</i>
11:15 – 11:45	Coffee Break

The Second Day (October 25th 2012, Thursday)
Congress Center "Master", Hajduk Veljkova 11, 21000 Novi Sad

FIFTH SESSION
Energy Management

11:45 – 12:00	INTEGRATED SMART GRID SYSTEMS Nenad Katić, Ljubica Mijatović, Mirna Galić <i>Faculty of Technical Sciences, Novi Sad, Serbia; Telvent DMS, Novi Sad, Serbia; Telvent DMS, Novi Sad, Serbia</i>
12:00 – 12:15	BUSINESS CASE FOR SMART GRID: DRIVERS, TECHNOLOGY & CASE STUDIES Peter Sobotka, Nebojša Marković <i>Corinex Communications Corp., Vancouver, Canada; Mikroelektronika, Banja Luka, Bosnia and Herzegovina</i>
12:15 – 12:30	HYBRID ALGORITHM OF SIMULATED HARDENING AND MIXED WHOLE NUMBER LINEAR PROGRAMMING FOR PLANNING THE DEVELOPMENT OF DISTRIBUTION GRIDS WITH DISTRIBUTION GENERATORS Željko Popović, Vojin Kerleta, Dragan Popović <i>Elektrovojvodina, Novi Sad, Serbia; Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia; Faculty of Technical Sciences, Novi Sad, Serbia</i>
12:30 – 12:45	COMPARATIVE ANALYSIS OF TECHNICAL AND ADMINISTRATIVE CONDITIONS OF SMALL WIND GENERATORS CONNECTED TO THE DISTRIBUTION GRID IN BELGIUM, ROMANIA, POLAND AND SERBIA Marijan Rančić, Steve Rodts, Nikola Milivojević <i>Electrawinds-S, Belgrade, Serbia; Electrawinds, Ostend, Belgium; Southwest Windpower, Broomfeld, USA</i>
12:45 – 13:00	STANDARD ISO 50001 – ADVANTAGES FOR LEADERS IN THE ENERGY EFFICIENCY FIELD Vojislav Božanić, Bojana Jovanović <i>Faculty of Organizational Sciences, Belgrade, Serbia; Iritel, Belgrade, Serbia</i>
13:00 – 13:15	NEW STANDARDS OF ENERGY MANagements AND APPLICATION IN THE CONSTRUCTING COMPANY Dragan Timotić <i>Energotehnika – Južna Bačka, Novi Sad, Serbia</i>
13:15 – 13:30	DYNAMIC PORTAL AS AN ADVANCED WAY OF COMMUNICATIONS WITH THE USERS Dejan Petković <i>SAGA, Belgrade, Serbia</i>
13:30 – 13:45	(Title of the paper will be decided later) Vlado Leković <i>eCONTROL, Novi Sad, Serbia</i>
13:45 – 14:00	Discussion and Conclusions
14:00 – 14:15	Coffee Break

SIXTH SESSION

Panel Discussion EDUCATION, SCIENCE AND TECHNOLOGY – TRENDS AND ACHIEVEMENTS
In Cooperation with the Society of Thermal Engineers of Serbia - on the Occasion of the Fiftieth Anniversary

Panel Discussion

EDUCATION, SCIENCE AND TECHNOLOGY – TRENDS AND ACHIEVEMENTS

In the Organization of the Society of Thermal Engineers of Serbia - on the Occasion of the Fiftieth Anniversary

Moderators: Vojin Grković, Milan Radovanović

14:15 – 14:45	EDUCATION, SCIENCE AND TECHNOLOGY – TRENDS AND ACHIEVEMENTS Vojin Grković <i>Faculty of Technical Sciences, Novi Sad, Serbia</i>
14:45 – 15:45	Questions and Discussion: <ul style="list-style-type: none">- How are energy efficiency and renewable energy sources represented in kindergartners, primary and secondary education?- What is the future of Serbian science? Why do young people leave?- Have the studying criteria at faculties been declined in relation to those from twenty years ago?
15:45 – 16:45	Cocktail

INSTRUCTIONS FOR THE PREPARATION OF PAPERS

On the occasion of registration, the participants will receive Paper Summaries. The full text of papers will be available at the Forum's websites (www.peec.uns.ac.rs and <http://www.elektrovodina.rs>) at the beginning of November 2012.

The contents should be as follows:

Title page: title, name and address of the author (institution)

Summary: not more than 100-150 words

Key Words: not more than 5 words

Introduction: 500-600 words

Method: maximum 500 words

Results and Elaboration: 4000-5000 words

Discussion and Conclusions: 800-1000 words

References: *Vancouver* style for references is recommended

(<http://www.library.uq.edu.au/training/citation/vancouv.pdf>)

The whole paper (text, figures and tables) is limited to maximum 16 pages of A4 Format.

Appearance of the Page

Font: Times New Roman

Font Size: 12

Space between Lines: 1

Text Alignment: Justify

Margins: 2.5 cm (1") on both sides

The deadline for the submission of papers is 12th October 2012

Paper should be sent to the following address:

Damir Djaković, PhD

Provincial Energy Efficiency Center

Faculty of Technical Sciences

Trg Dositeja Obradovića 6, 21125 Novi Sad

Telephone: +381 21 4852 400

Fax: +381 21 6350 775

Website: www.peec.uns.ac.rs

E-mail: djakovic@uns.ac.rs

PREPARATION OF POWER POINT PRESENTATIONS

The oral presentations may be delivered in either English or Serbian. Simultaneous translation will be provided.

We kindly ask you to use the following instructions for the preparation of efficient Power Point presentations.

FONT:

Stick to the maximum font size of 24.

Use fonts such as Arial, Helvetica or Trebuchet.

Power Point presentations have to be prepared in the English language.

APPEARANCE:

Shorten your message and limit the number of words on the page/slide:

Avoid paragraphs

Use *bullet points* for emphasis

Use concise phrases instead of full sentences

Limit every slide to 6 *bullet points*

COLOR:

Use the combination of colors which enables easy reading of your text such as:

- Light background (white, yellow, light blue) with dark letters (black, dark blue, dark green).
- Dark background (blue, purple) with light color letters (white, yellow, light purple).

Do not use red color either for background or letters since this color is difficult to read.

GRAPHICS:

Please make charts, diagrams and tables simple so that your audience is able to understand them easily.

Please use only one chart or visual presentation per slide.

INSTRUCTIONS FOR THE SUBMISSION OF POWER POINT PRESENTATIONS:

Presentations must be delivered not later than on 22nd October 2012 in the electronic form to the following address:

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For all further information relevant to paper summaries and presentations please contact the same person at the above address by e-mail, telephone or fax.