

## Call for papers

This is a cordial invitation to submit papers on all aspects of energy and its impacts to this well-established 24<sup>th</sup> ECOS conference that would be held 4-7 July 2011 in Novi Sad, Serbia, and of course to join this vibrant scientific/engineering community by attending the conference to share knowledge and network with colleagues from all over the world. The papers will be reviewed by the International Scientific Committee for presentation and conference proceedings publication acceptance, and selected papers would be recommended for publication consideration in several international archival journals.

## Conference deadlines

|                          |   |
|--------------------------|---|
| <b>December 12, 2010</b> | Submission of abstracts                     |
| <b>January 3, 2011</b>   | Acceptance of abstracts                     |
| <b>February 25, 2011</b> | Submission of full-length papers for review |
| <b>April 15, 2011</b>    | Reviews returned to authors                 |
| <b>May 16, 2011</b>      | Submission of final papers                  |
| <b>May 16, 2011</b>      | Early registration fee                      |

## Abstract submission

To submit abstracts and papers authors must first register on the registration site <http://registration.ecos2011.com>, where you can afterwards submit your abstract or paper. All communications during the review process of your abstract or paper will be conducted via this site. Please do not submit your work directly by email because the system is not able to handle them outside the given web site.

## Conference venue

**Novi Sad** is a charming historical town on the Danube River, easily accessible. More information is on the ECOS2011 web site.

### Hotel Park

Novosadskog sajma str. 35,  
21000 Novi Sad, Serbia  
Phone: + 381 21 48 88 888,  
Fax: +381 21 48 888 885  
<http://www.hotelparkns.com>  
e-mail: [info@hotelparkns.com](mailto:info@hotelparkns.com)



## Conference fee

|                              | By May 16, 2011 | After May 16, 2011 | On site      |
|------------------------------|-----------------|--------------------|--------------|
| <b>Full participation</b>    | 450,00 €        | 500,00 €           | 550,00 €     |
| <b>Reduced participation</b> | 200,00 €        | 250,00 €           | 280,00 €     |
| <b>Accompanying persons</b>  | 200,00 €        | 220,00 €           | 250,00 €     |
| <b>Local participation*</b>  | 28000,00 RSD    | 30000,00 RSD       | 32000,00 RSD |

\*The sum in RSD is subject to change based on the exchange rate

## Partners

American Society of Mechanical Engineers

International Center for Applied Thermodynamics

International Centre for Sustainable Development of Energy, Water and Environment Systems



# ECOS 2011

## 24<sup>th</sup> International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems

**ECOS 2011 Motto: "International Smart Energy Networks of Cooperation for Sustainable Development"**

## Organizers

Faculty of Mechanical Engineering, University of Niš

Faculty of Technical Sciences, University of Novi Sad

Faculty of Mechanical Engineering, University of Belgrade

Faculty of Mechanical Engineering, University of Kragujevac

## SECOND CALL FOR PAPERS

## Journals (partial list)

Energy

Energy Conversion and Management

Energy and Buildings

The International Journal of Thermodynamics

Chemical Industry & Chemical Engineering Quarterly

Thermal Science

## Novi Sad, Serbia

## July 4-7, 2011

Exit fest July, 7<sup>th</sup>- 10<sup>th</sup> 2011



One of the biggest music festivals in Europe

Petrovaradin Fortress



The second biggest fortress in Europe

Manasija



Medieval Serbian Orthodox monastery

Nikola TESLA



Inventor and scientist

Novi Sad



Central Pedestrian Area

## Conference topics

### Focal themes for ECOS 2011

#### Central theme:

International and regional cooperation for sustainable development of energy systems: Needs, methodologies, technologies, accomplishments, plans, and potential. An important area of emphasis would be the rapidly developing region of South-Eastern Europe.

*Every effort would be made to encourage scientific, business, and personal connections between the South-East European energy community and its overall international complement.*

#### Energy resource foci:

**Biomass** within broad coverage of renewable energies.

**"Clean Coal"** within broad coverage of fossil and nuclear power generation.

### Detailed Conference Topics

#### Development and Application of Methods in:

Basic and Applied Thermodynamics; **Simulation, Improvement and Optimization of Energy Systems**; Sustainability of Energy Systems; **Energy Conservation**; Energy Efficiency and Climate Changes; **Process Design, Analysis and Integration of Thermal and Chemical Systems**; Energy Planning; **Renewable Energy Conversion, Use and Integration**; Nuclear Power; **Diagnostics and Control of Thermal Systems**; Zero-emission Technologies and Strategies; **Life Cycle Assessment and Environmental Impact of Energy Systems**; Energy and Water Interactions; **Electricity Generation and Transmission; the Smart Grid**; Recycling; **Manufacturing**; Mining and Drilling; **Transport Energy and Emissions**; Social Impacts of Energy Systems; **Energy Economics**

#### Relevant Physical Systems:

Clean Coal Technologies; **Conventional and Advanced Power Plants**; Hydropower Plants; **Biomass conversion systems**; Internal Combustion Engines; **Turbines**; Cogeneration and District Heating; **New Technologies in Heat Pumps, Refrigeration and Air Conditioning**; Fuel Cells and Integrated Systems; **Renewable Energy Systems**; Industrial Process Plants; **Hydrogen and Natural Gas Technologies**; Energy and Buildings; **Energy Storage**; Carbon Capture and Storage; **Solar Integrated System**; Agriculture; **Water Desalination and Treatment**; Decentralized Energy Systems; **Integrated Smart Energy Networks**

### Special session as tribute to the genius of Nikola Tesla

On the 100<sup>th</sup> anniversary of one of his seminal papers on energy, international experts would describe this exceptional inventor's energy-related vision and work, and an excursion to the Nikola Tesla Museum in Belgrade is planned as a part of the conference activities.

### Special sessions, tutorials, and workshops

Proposal for holding special sessions, tutorials and workshop are invited from prospective authors, industrial bodies and academicians, and should be addressed to the Chairs. The program committee is currently looking for speakers and financial sponsors from industry, academia, and professional bodies.

[www.ecos2011.com](http://www.ecos2011.com)

## Conference Chairs

Milorad **Bojić**  
Noam **Lior**  
Jovan **Petrović**  
Gordana **Stefanović** (Coordinator)  
Vladimir **Stevanović**

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