

Call for papers

This is a cordial invitation to submit papers on all aspects of energy and its impacts to this well-established 24th 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

December 3, 2010	Submission of abstracts
December 24, 2010	Acceptance of abstracts
February 25, 2011	Submission of full-length papers for review
April 15, 2011	Reviews returned to authors
May 16, 2011	Submission of final papers
May 16, 2011	Early registration fee

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



Conference fee

	By May 16, 2011	After May 16, 2011	On site
Full participation	450,00 €	500,00 €	550,00 €
Reduced participation	200,00 €	250,00 €	280,00 €
Accompanying persons	200,00 €	220,00 €	250,00 €
Local participation*	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

24th 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

CALL FOR PAPERS

Journals (partial list)

- Energy
- Energy Conversion and Management
- Energy and Buildings
- Journal of Applied Thermodynamics
- Chemical Industry & Chemical Engineering Quarterly



Novi Sad, Serbia
July 4-7, 2011

<p>Exit fest July, 6th-9th 2011</p> <p>One of the biggest music festivals in Europe</p>	<p>Petrovaradin Fortress</p> <p>The second biggest fortress in Europe</p>	<p>Manasija</p> <p>Medieval Serbian Orthodox monastery</p>	<p>Nikola TESLA</p> <p>Inventor and scientist</p>	<p>Novi Sad</p> <p>Central Pedestrian Area</p>
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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 100th 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

Conference Chairs

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Noam **Lior**

Jovan **Petrović**

Gordana **Stefanović** (Coordinator)

Vladimir **Stevanović**

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