Scope and objectives

The 8th Conference on Sustainable Development of Energy, Water and Environment Systems – SDEWES Conference, to be held in Dubrovnik in 2013, is dedicated to the improvement and dissemination of knowledge on methods, policies and technologies for increasing the sustainability of development by de-coupling growth from natural resources and replacing them with knowledge-based economy, taking into account its economic, environmental and social pillars, as well as methods for assessing and measuring sustainability of development, regarding energy, transport, water, environment and food production systems and their many combinations. Sustainability being also a perfect field for interdisciplinary and multi-cultural evaluation of complex system, the SDEWES Conference has at the beginning of the 21st century become a significant venue for researchers in those areas to meet, and originate, discuss, share, and disseminate new ideas.

The Conference will focus on the following objectives and will be organised in the following sessions

Sustainability comparisons and measurements methodologies, Sustainable development as a driver for innovation and employment, Green economy and better governance, Decoupling growth from resources, Decarbonisation, Energy, transport and water policy, and the energy-water interaction, Environmental policy, Agricultural policy, Environment and corporate social responsibility, Employment and energy, transport, water and environment systems, Technology transfer and development, Social acceptance, Sustainable resilience of systems, Sustainable tourism, Urbanism, Regional planning and cooperation, Sustainable islands, Research, innovation and development, Education in sustainable development, Cooperation in development, Energy system analysis, Water system analysis, Transport system analysis, Life cycle assessment, Environmental impact assessment, Eco-design and eco-labelling, Product cycle assessment, Energy planning, Transport management, Renewable energy resources, Primary energy resources, Water resources, Food and agriculture, Renewable electricity generation systems, Thermal power plants, District heating and/or cooling infrastructures in future energy systems, Nano and micro technologies and science for sustainable development of energy, water, and environment systems, Carbon capture and storage/sequestration, Nuclear energy, Advanced sustainable energy conversion systems, Pyrolysis and torrefaction, Renewable heat systems, Biofuels and biorefineries, Hydrogen production and use technologies, Hybrid and electric vehicles, Synthetic fuels, Water treatment, Water Desalination, Wastewater treatment, Waste treatment, Waste to energy, Recycling waste, Pollution modelling, Heat and mass transfer modelling, Cogeneration, trigeneration and polygeneration, Storage, Electricity transmission, Smart energy networks, Energy efficiency in industry and mining, Energy efficiency in agriculture and aquaculture, Energy efficient appliances, Buildings, Energy markets, Emission markets, Political aspects of sustainable development.

In addition, acknowledging that regional coordination is the only feasible solution for gaining synergy effects for the small and only partially connected emerging energy markets of the South East European Region, the Conference will address the core goals of the Energy Community: Competitive integrated regional energy market, Security of supply, Climate change and environment, Infrastructure development, Social dimension, External relations in light of sustainable development.
International Scientific Committee

Prof. Maria da Graça Carvalho, Instituto Superior Técnico, Lisbon, Portugal, Co-chair
Prof. Neven Dušić, University of Zagreb, Zagreb, Croatia, Co-chair
Prof. Włodzimierz Kowal, Industrial University of Santander, Santander, Colombia, Co-Chair for the Americas
Prof. Jilj Jaromir Klemše, University of Pannonia, Veszprém, Hungary, Chair for the Central and Eastern Europe
Prof. Ingo Stadler, Cologne University of Applied Sciences, Cologne, Germany, Co-Chair for the Western Europe
Prof. Naim H. Afzun, Instituto Superior Tecnico, Lisbon, Portugal
Prof. Zvonimir Gužovič, University of Zagreb, Zagreb, Croatia
Prof. Mireille Jacomino, Grenoble Institute of Technology, Grenoble, France
Dr. Andreas Kallianos, National Technical University of Athens, Athens, Greece
Prof. Tarik Kupusovic, University of Sarajevo, Sarajevo, Bosnia and Herzegovina
Prof. Vladimir Lipovac, University of Dubrovnik, Dubrovnik, Croatia
Prof. Henrik Lund, Aalborg University, Aalborg, Denmark
Prof. Nataša Markova, Macedonian Academy of Sciences and Arts, Skopje, Macedonia
Prof. Brian V. Mathiesen, Aalborg University, Aalborg, Denmark
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Prof. Joshua Poplano, Macedonian Academy of Sciences and Arts, Skopje, Macedonia

Local Organising Committee

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Prof. Daniel Roland Schneider, University of Zagreb, Croatia
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Dubrovnik is situated in the southernmost part of the Republic of Croatia. Founded in the 7th century, Dubrovnik is rich in cultural and historical Monuments and is included in the UNESCO world Heritage list. Dubrovnik International Airport is situated 22 km from the city centre.