



**32nd International Conference
on Efficiency, Cost, Optimization,
Simulation and Environmental
Impact of Energy Systems**



**Wrocław, Poland
23-28 June 2019**



**Silesian University
of Technology**



Silesian University of Technology
Institute of Thermal Technology
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**Wrocław University
of Science and Technology**



Wrocław University of Science and Technology
Faculty of Mechanical and Power Engineering
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Registration	20 October - 15 May 2019
Abstract submission extended	22 November 2018 10 December 2018
Notification of abstract acceptance	15 December 2018
Full manuscript submission	15 February 2019
Notification of reviewers comments	15 March 2018
Notification of article acceptance	May 2019

- **Wojciech STANEK** Chair of the Conference
- **Zbigniew GNUTEK** Co-chair of the Conference
- **Sławomir PIETROWICZ** Co-chair of the Conference

Members of the Organizing Committee:
Lucyna CZARNOWSKA and **Agnieszka OCHMAN**

Honorary chairs:
Professor **Andrzej ZIĘBIK** and Professor **Zygmunt KOLENDA**

You can contact us via office e-mail:
ecos2019@s-conferences.eu

SPECIAL ISSUES

Selected papers after the conference will be published in the Special Issues or Special Sections in the following International Journals:

- Civil and Environmental Engineering Reports
- Energy Conversion and Management
- Energy
- Energies
- Fuel
- International Journal of Exergy
- International Journal of Thermodynamics
- Journal of Energy Resources Technology
- Journal of Power Technologies
- Journal of Sustainable Mining
- Renewable Energy
- International Journal of Hydrogen Energy

KEYNOTE SPEAKERS

- **Prof. Adrian BEJAN**

Duke University
Duke Mechanical Engineering
and Materials Science
Durham, USA



- **Prof. Henrik LUND**

Aalborg University
Department of Planning
Aalborg, Denmark



- **Prof. George TSATSARONIS**

Technical University of Berlin
Institute for Energy Engineering
Berlin, Germany



Regular participant

The fee includes: lectures and workshops, conference materials, welcome reception, gala dinner, lunches, coffee breaks, up to 2 conference papers per participant.

Student

The fee includes: lectures and workshops, conference materials, welcome reception, gala dinner, lunches, coffee breaks, up to 2 conference papers per participant.

300 EUR will be granted to the BSc, MSc and PhD students (with adequate documentation presented proving the student status). To obtain a student discount, you must upload documents confirming the student's status; otherwise, a 'Regular participants fee' will be charged. This status can be obtained up to April 30, 2019, after this term documents will not be accepted.

Accompanying person

The fee includes: welcome reception, gala dinner.

The applicant cannot be co-author of any of the articles.

Listener

The fee includes: lectures and workshops, conference materials, welcome reception, gala dinner, lunches, coffee breaks.

The applicant does not submit or present any of articles personally; however, may be the co-author of several articles

Conference fee includes tax.

Participant Type	Paid before April 15, 2019	Paid April 16 – May 20, 2019
Student	300 €	500 €
Regular participant	550 €	750 €
Accompanying person	200 €	300 €
Listener	450 €	650 €

- ✓ Analytical and experimental aspects of hydrogen energy
- ✓ Basic and applied thermodynamics
- ✓ Biomass, biofuels
- ✓ Biomedical applications and Exergy
- ✓ Combustion, gasification, reaction engineering and CO₂ mitigation
- ✓ Distributed generation
- ✓ Energy and buildings
- ✓ Energy and water nexus
- ✓ Energy conversion and conservation
- ✓ Energy policy and planning
- ✓ Energy resources
- ✓ Energy storage
- ✓ Energy use (building, transportation, desalination, etc.)
- ✓ Environmental impact of energy
- ✓ Exergy
- ✓ Fluid dynamics and Computational Fluid Dynamics (CFD)
- ✓ Fuel cells
- ✓ Heat and mass transfer
- ✓ Hydrogen carriers such as NH₃, CH₄
- ✓ Industrial energy use
- ✓ Micro and nano energy processes and devices
- ✓ Mining, drilling, and fracturing for energy resources
- ✓ Organic Rankine Cycle (ORC) and low grade thermal energy recovery
- ✓ Power generation and Combined Heat and Power (CHP)
- ✓ Process integration and optimization
- ✓ Refrigeration and heat pumps
- ✓ Renewable energy - solar, wind, hydro, etc.
- ✓ Smart grids and renewables integration
- ✓ Sustainable energy systems