

---

## Editorial

---

### Wojciech Stanek\*

Silesian University of Science and Technology,  
44-100 Gliwice, Poland  
Email: wojciech.stanek@polsl.pl  
\*Corresponding author

### Paweł Gładysz

AGH University of Science and Technology,  
30-059 Kraków, Poland  
Email: pawel.gladysz@agh.edu.pl

**Biographical notes:** Wojciech Stanek is a full time Professor at the Faculty of Energy and Environmental Engineering, Silesian University of Technology in Gliwice, Poland. His education and professional career is connected with the Silesian University of Technology – one of the best research centres in Poland in the field of energy systems including technical, thermodynamic, economic and ecological optimisation of thermal systems. His main scientific and research interests are related to exergy analysis, thermodynamic assessment of ecological effects using thermo-ecological cost, mathematical modelling and optimisation and energy system diagnosis.

Paweł Gładysz is an Assistant Professor at the Faculty of Energy and Fuels, AGH University of Science and Technology in Kraków, Poland. His field of research includes thermal engineering, modelling and optimisation of thermal processes (mainly clean coal technologies and combined heat-and-power cycles), life cycle assessment, system input-output analysis, both thermo-ecological and thermo-economic analysis, as well as energy policy.

---

This special issue of the *International Journal of Exergy* presents selected scientific output of 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems ECOS 2019, which was held in Wrocław, Poland, June 23–28, 2019.

ECOS 2019 was the 32nd edition of International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems and was organised by Institute of Thermal Technology, Silesian University of Technology, Gliwice, Poland in cooperation with Wrocław University of Technology. ECOS history started in 1987 when 4th International Symposium on 2nd Law Analysis of Thermal Systems has been organised and is recognised as the first conference within the ECOS history. In 1992, the conference has been organised in Zaragoza, Spain for the first time under the name International Symposium on Efficiency, Costs, Optimization and Simulation of Energy Systems (ECOS 092). So far, the following editions of ECOS took place in Poland:

- 1 1993, July 5–9, Cracow, Poland: Energy Systems and Ecology (ENSEC 093), International Conference. Chairmen: J. Szargut, G. Tsatsaronis, Z. Kolenda and A. Ziebig.
- 2 2008, June 24–28, Cracow-Gliwice, Poland: The 21st International Conference on Efficiency, Costs, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS 2008). Chairmen: Andrzej Ziebig, Zygmunt Kolenda and Wojciech Stanek.

Selected papers presented during ECOS 2019 Conference were invited to the *International Journal of Exergy* special issue dedicated to the conference.