

# Preface: 18th Conference of Power System Engineering, Thermodynamics and Fluid Mechanics

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# Preface: 18<sup>th</sup> Conference of Power System Engineering, Thermodynamics and Fluid Mechanics

The Conference of Power System Engineering, Thermodynamics and Fluid Mechanics has a long-term tradition. It is an annual meeting of professors and experts from departments and universities where power system engineering is taught. The 18<sup>th</sup> year of this event was held in Pilsen (Czech Republic) between 11<sup>th</sup> and 13<sup>th</sup> June 2019 and was hosted by Department of Power System Engineering of Faculty of Mechanical Engineering, University of West Bohemia in Pilsen.

There were 47 delegates from academic and industrial field who came from the Czech Republic, the Slovak Republic, Germany, Poland, Ukraine and Russia. The conference was launched by the rector of the University of West Bohemia. The organizers accepted 31 contributions (both oral papers and posters). 25 contributions from 57 authors have gone through a professional review for the publication. All presentations brought contributions to the fields of equipment for classic and nuclear power plants, their operation, fluid mechanics and flow simulations, thermodynamics, heat transfer, diagnostics of power machines and equipment and others.

The social evening with a programme gave the delegates an opportunity to meet their colleagues, share and discuss their experience and results of their research projects in less formal environment. The participants could also visit a manufacturing line of the traditional champagne producer Bohemia Sekt. The programme of the conference included also a student section, in which especially Ph.D. students have an opportunity to present their contributions or posters.

The conference organizers would like to thank all partners of the conference for their financial support. The Institute of Thermomechanics of the Academy of Sciences of the Czech Republic contributed financially to the organization of the conference within the framework of the Strategy 21. Other significant financial support came from Doosan Škoda Power, ČEZ Group, Czech Society for Mechanics, TechSim Engineering, TechSoft Engineering and Helago.

Lukas Richter  
The Proceedings Editor

