

Marcin Trojan



Academic degrees : doctor habilitatus in Engineering

Position : Professor of CUT

Engineering - technical field

Discipline Environmental engineering, mining and energy

Academic qualifications:

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Membership in professional and academic boards :

Associate member of the Thermodynamics Section of the Thermodynamics and Combustion

Academic merits :

Supervisor of one open doctoral thesis. Supervisor of several dozen of master's and engineering theses. Manager and contractor of several dozen research projects and expert opinions commissioned by industry and state institutions. Author of 1 monograph and 7 scientific research papers (including 2 chapters in Encyclopedia Thermal Stresses published by Springer) and co-author of about 80 scientific research papers (including: 23 A-list publications, 2 monographs by foreign publishers, 9 chapters in monographs by foreign publishers, 7 chapters in monographs by domestic publishers). Hirsch index according to Scopus database:10, a number of citations: 274.

Professional qualifications/language skills

English language

Accredited PRINCE2 Practitioner workshop (Project Management)

ITIL Foundation (project management)

Experience in designing pipelines, equipment and large power boilers

Research field :

The scope of the research includes: - thermal power engineering issues; - issues related to fouling of power boilers heating surfaces; - modelling of heat-flow processes; - thermal-strength analyses; - optimization of power unit start-ups; - monitoring of power equipment; - use of renewable energy sources for emission-free heating and power generation.

He is a co-author of a numerical method for modelling steam superheaters of boilers with complex flow systems, applicable to both steady and transient states. He has developed a numerical nonlinear mathematical model of a steam boiler, which can be used in the design and operational calculations and on-line monitoring systems, among others.

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