

# Artur Cebula



**Academic degrees : doctor habilitatus in Engineering**

**Position : prof. of CUT**

**Engineering - technical field**

**Discipline Environmental engineering, mining and energy**

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## Academic qualifications:

Supervisor – Student Special Interest Group: Scientific club Enviromental engineering and energy

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## Membership in professional and academic boards :

1.Associate member of the Thermodynamics Section of the Thermodynamics and Combustion Committee of the Polish Academy of Sciences 2.Associate member of the Association for the Training of Energy Machinery and Equipment Construction Specialists

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## Academic merits :

Hirsch Index: 7, cited number: 104, number of publications: 33, list of publications on the PK library website see - useful links.

Management of international and national research projects and participation in such projects

- 1.Biomass-fired boiler for drying applications, POIR.01.01.01-00-0460/17,2017-2018, R&D manager
2. Development of two prototypes of cooling systems using waste heat with driving power of 600 kW and 200 kW, adapted to the temperature of chilled water and high-temperature cooling. NCBiR, Fast Track, 2018-2021, R&D manager
3. Emission-free heating and electricity production system with the use of renewable energy sources, Sopsar, Fast Track program 2018-2021, contractor
4. Method for identification of solids surface heat flux density under the conditions of fast-changing liquid temperature field, Opus 8, 2015 - 2018, National Science Centre (NCN), main contractor.

The full range of achievements on the website: <http://mech.pk.edu.pl/wp-content/uploads/2018/04/autoreferat-cebula.pdf> and see useful links

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## Professional qualifications/language skills

Very good knowledge of English.

Lead Design Engineer - Steam Turbines; in General Electric, EDC Warsaw, Energy Department 2007 - 2009 .

Lead Design Engineer - Jet engines combustion chambers; at General Electric, EDC Warsaw, Aviation Department, Aero Engines2013 -2015Translated with [www.DeepL.com/Translator](http://www.DeepL.com/Translator) (free version)

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## Research field :

The scope of the research includes: -flow heat modelling, including CFD modelling, - heat exchangers, - inverse heat conduction problems, - thermodynamics, - heat and power generation in conventional power plants, - heat, power and cooling generation using renewable energy sources, - waste heat utilization for electricity production

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## Address

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## Useful links :

<http://mech.pk.edu.pl/wp-content/uploads/2018/04/autoreferat-cebula.pdf> - Description of full scientific achievements until 2018 [https://www.researchgate.net/profile/Artur\\_Cebula](https://www.researchgate.net/profile/Artur_Cebula) - Profile on Research Gate <http://suw.biblos.pk.edu.pl/userHomepage&uld=7534&rel=BPP-author> - List of publications