

The list of participants of the competition with presentations titles

	Authors	Institution	Title
1	<b>A. Jaeschke</b> , G. Liškiewicz	LUT/ Institute of Turbomachinery	Mathematical surge modelling based on the pressure oscillations in the stable operation range of the compressor
2	<b>F. Grapow</b> , G. Liškiewicz	LUT/ Institute of Turbomachinery	Compressor modelling using Greitzer model validated by pressure oscillations
3	<b>A. Andrearczyk</b> , G. Żywica	IFFM PAS	A concept of a test stand for the investigation of a 3d printed turbochargers and selected fluid flow machinery
4	<b>A. Harutyunyan</b> , K. Badyda, M. Wołowicz	Warsaw University of Technology	The effect of parallel hot windbox repowering on 387 MW fossil fuel power plant
5	<b>A. Szymański</b> , S. Dykas, M. Majkut, M. Stozik	Silesian University of Technology	The assessment of the calculation method for determining the flow characteristics of one straight fin labyrinth seal
6	<b>P. Bagiński</b> , G. Żywica	IFFM PAS	The influence of temperature on dynamics of the rotor - foil bearing system
7	<b>Ł. Breńkacz</b> , G. Żywica	IFFM PAS	An experimental investigation in order to determine bearing dynamic coefficients of two hydrodynamic bearings from impulse responses
8	<b>R. Rusanov</b> , L. Jędrzejewski, P. Klonowicz, G. Żywica, P. Lampart, A. Rusanov	IFFM PAS	Design and performance study of a small-scale waste heat recovery turbine
9	D. Stępniaak, <b>J. Surwiło</b> , P. Lampart	IFFM PAS	The analysis of energy and emission indicators of piston combustion engine supplied by a mixture of biogas

## Competiton results

First prize – **Łukasz Breńkacz** – IFFM PAS (42.9 pts. )

Second prize – **Andrzej Jaeschke** – LUT/ Institute of Turbomachinery (42.0 pts.)

Third prize – **Roman Rusanov** - IFFM PAS (39.7 pts.)