

1. Record Nr.	UNINA9910983329603321
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Titolo	Advances in Mechanical and Power Engineering II : Selected Papers from The International Conference on Advanced Mechanical and Power Engineering (CAMPE 2023), October 16-19, 2023 // edited by Holm Altenbach, Xiao-Wei Gao, Stavros Syngellakis, Alexander H.-D. Cheng, Piotr Lampart, Anton Tkachuk
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031829796 3031829794
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (0 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
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Disciplina	621.31
Soggetti	Electric power production Fluid mechanics Mechanics, Applied Mechanical Power Engineering Engineering Fluid Dynamics Engineering Mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Part I Fluid Mechanics and Heat Transfer in Power Engineering -- 1 Parametric Effects on Advanced Exergy and Exergoeconomics of a Gas-Fired Steam Power Plant Boiler -- 2 Aeroelastic state of turbine rotor during harmonic blade oscillations -- 3 Experimental studies of diffuser fins effect in pump-turbine draft tube on pressure pulsations in turbine mode -- 4 Liquid Vibrations Analysis of Baffled Reservoirs with Fuzzy Concepts Implementation -- 5 Influence of Cylinder Diameter and Position on Thermal and Hydrodynamic Interaction of Sheding Vortices with the Heat Exchanger Wall, etc.

## Sommario/riassunto

This book covers theoretical and experimental findings at the interface between fluid mechanics, heat transfer and energy technologies. It reports on the development and improvement of numerical methods and intelligent technologies for a wide range of applications in mechanical, power and materials engineering. It reports on solutions to modern fluid mechanics and heat transfer problems, on strategies for studying and improving the dynamics and durability of power equipment, discussing important issues relating to energy saving and environmental safety. Gathering selected contributions to the XV International Conference on Advanced Mechanical and Power Engineering (CAMPE 2023), held online on October 16-19, 2023, from Kharkiv, Ukraine, this book offers a timely update and extensive information for both researchers and professionals in the field of mechanical and power engineering.

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