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Titolo	Fluid Mechanics and Fluid Power . Volume 7 : Select Proceedings of FMFP 2022 / / Krishna Mohan Singh [and three others], editors
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Descrizione fisica	1 online resource (355 pages)
Collana	Lecture Notes in Mechanical Engineering Series
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Nota di contenuto	Part I: Renewable Energy -- Performance exploration of impinging jet solar air heater: A comparative study -- Performance evaluation of single pass solar air heater with stepped type arrangement of metal foam by a numerical study -- Energetic and exergetic performance of an evacuated tube U-type solar collector for medium temperature industrial process air heating: An experimental study -- Comparison of Analytical Wake Models with CFD Study of Savonius Vertical Axis Wind Turbine -- Floating Solar PV Systems – Global research reported in the year 2022 -- Topology Optimization for Maximum Daily Solar Radiation for a Large-Scale NonTracking Heliostat Solar Reflector Using CFD Analysis -- CFD Investigations on a Pitch Type Wave Energy Converter for a Potential Site along the Indian Coast -- Thermohydraulic Performance of a Photovoltaic Thermal System using CuO/EG Nanofluid -- Performance analysis of solar air heater with circular finned absorber plate -- Effect of concentration ratio on flow pattern in solar CPC cavity -- Vortex Bladeless Turbines with Wings. etc.
Sommario/riassunto	This book comprises select peer-reviewed proceedings of the 9th International and 49th National Conference on Fluid Mechanics and Fluid Power (FMFP 2022). This book brings together scientific ideas and engineering solutions put forth by researchers and practitioners from academia and industry in the important and ubiquitous field of fluid mechanics. The contents of this book focus on fundamental issues and perspective in fluid mechanics, measurement techniques in fluid

mechanics, computational fluid and gas dynamics, instability, transition and turbulence, fluid-structure interaction, multiphase flows, microfluidics, bio-inspired fluid mechanics, aerodynamics, turbomachinery, propulsion and power and other miscellaneous topics in the broad domain of fluid mechanics. This book is a useful reference to researchers and professionals working in the broad field of mechanics.