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Nota di contenuto	Effects of Roughness on the Pressure Side of a Symmetric NACA 0015 Airfoil -- Effect of roughness on heat transfer in Rayleigh-Bnard convection -- Creeping flow of shear-thinning fluids through an orifice -- Analysis of Aerodynamic Characteristics of Wing with Fence -- A Comparative Assessment of Algebraic Volume of Fluid Formulations for Capturing Sharp Interfaces -- Thermo-hydraulic performance of nanofluid flow in various cross-section ducts: A CFD study -- Performance Evaluation of Solar Air Heater Duct with Inverted Y-Shaped Ribs: A numerical exercise -- Numerical Study on Flow Through Gas Turbine Combustor Diffuser -- Ground Effects on Flows Past Symmetric Airfoils of Different Thicknesses -- Optimization and Benchmarking of Twin VAWT Configurations Using Taguchi and Data Envelopment Analysis.
Sommario/riassunto	This book presents select proceedings of the 10th International and 50th National Conference on Fluid Mechanics and Fluid Power. It covers recent research developments in the area of fluid mechanics, measurement techniques in fluid flows, and computational fluid

dynamics. The key research topics discussed in this book are fundamental studies in flow instability and transition, fluid-structure interaction, multiphase flows, solidification, melting, cavitation, porous media flows, bubble and droplet dynamics, bio-mems, micro-scale experimental techniques, flow control devices, underwater vehicles, bluff body, bio-fluid mechanics, aerodynamics, turbomachinery, propulsion and power, heat transfer and thermal engineering, fluids engineering, advances in aerospace and defence technology, micro- and nano-systems engineering, acoustics, structures and fluids, advanced theory and simulations, novel experimental techniques in thermo-fluids engineering and many more. The book is a valuable reference for researchers and professionals interested in thermo-fluids engineering.
