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Nota di contenuto	Front Cover; Dedication; Contents; Preface; Editors; Contributors; SECTION I - Fundamentals; Chapter 1 - Synthetic Jets: Basic Principles; Chapter 2 - Design of Synthetic Jets; SECTION II - Techniques; Chapter 3 - Measurement Techniques for Synthetic Jets; Chapter 4 - Computational Modeling of Synthetic Jets; Chapter 5 - Reduced-Order Modeling of Synthetic Jets; SECTION III - Applications; Chapter 6 - Separation Control; Chapter 7 - Application of Synthetic Jets to Controlling Dynamically Changing Flows; Chapter 8 - Synthetic Jets in Boundary Layers Chapter 9 - Synthetic Jets for Heat Transfer AugmentationChapter 10 - Application of Zero-Net Mass-Flux Actuators for Propulsion: Biology and Engineering; Color Insert; Back Cover
Sommario/riassunto	Compiles Information from a Multitude of SourcesSynthetic jets have been used in numerous applications, and are part of an emergent field. Accumulating information from hundreds of journal articles and conference papers, Synthetic Jets: Fundamentals and Applications brings together in one book the fundamentals and applications of fluidic actuators. Clearly and thoroughly explaining the mechanisms of underlying synthetic jet behavior-from aerospace to mechanical engineering-this book addresses a variety of aspects, and provides a

holistic, systematic approach of the subject.Covers Fundamental P
