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Autore	Ernest, Paul
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Altri autori (Persone)	Sriraman, Bharath
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Autore	Kucinski William
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Nota di contenuto	Chapter 1. Achieving reliable cold starts in a stepped piston engine -- Chapter 2. Exploring a series hybrid-electric arrangement -- Chapter 3. Distributed hydrogen-fueled propulsion for Hale UAVs -- Chapter 4. Rotary power beyond the wankel -- Chapter 5. Plasma propelled UAVs and dielectric barrier discharge.
Sommario/riassunto	This book will cover several UAV propulsion technologies, ranging from modification of conservative designs to assessing the potential of unconventional arrangements. Each chapter provides a glimpse of how researchers are leveraging different fuel types, powerplants, and system architectures in the pursuit of powerful, efficient, and robust UAV propulsion. By developing higher-performing propulsion systems--whether through the refinement of existing technologies like two-stroke heavy-fuel engines and hybrid-electric arrangements or the investigation of new concepts such as dielectric barrier discharge--ngineers will be able to increase UAV capabilities for the world' developing aviation needs.