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Nota di contenuto	Advanced Combustion Techniques for Utilization of Alternative Fuels for Vehicular Applications -- Development of Methanol Fuelled Two Wheeler -- Role of Diesel Particulate Filter to Meet Bharat Stage -VI Emission Norms in India -- Design and Development of UAV Engine: Future of engine -- Gasoline Compression Ignition: The Future Engine Technology -- Small Carburetted Vehicles for M15 Adaption towards Lower Fuel Economy and Cleaner Tailpipe Emission- Indian Context --

Ozone Seeding Effect on Spark Assisted Compression Ignition (SACI) -- An Efficient technology and its advancements: Gasoline Direct Injection system -- Solar-based Electric Vehicle Charging Stations in India: A Prospective -- Advanced Combustion Techniques for Utilization of Alternative Fuels for Vehicular Applications -- Methanol Fuelled Reactivity Controlled Compression Ignition Engine.

Sommario/riassunto

This book discusses the recent advances in combustion strategies and engine technologies, with specific reference to the automotive sector. Chapters discuss the advanced combustion technologies, such as gasoline direct ignition (GDI), spark assisted compression ignition (SACI), gasoline compression ignition (GCI), etc., which are the future of the automotive sector. Emphasis is given to technologies which have the potential for utilization of alternative fuels as well as emission reduction. One special section includes a few chapters for methanol utilization in two-wheelers and four wheelers. The book will serve as a valuable resource for academic researchers and professional automotive engineers alike.