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Titolo	Advanced Combustion for Sustainable Transport / / edited by Avinash Kumar Agarwal, Antonio García Martínez, Ankur Kalwar, Hardikk Valera
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Nota di contenuto	Introduction to Advanced Combustion for Sustainable Transport -- Strategical Evolution of Clean Diesel Combustion -- Multi-mode Low Temperature Combustion (LTC) and Mode Switching Control -- State of the Art in Low-Temperature Combustion Technologies: HCCI, PCCI, and RCCI -- Combustion in Diesel Fuelled Partially Premixed Compression Ignition Engines -- Gasoline Compression Ignition Combustion Strategies and Recent Engine System Developments for Commercial and Passenger Transport Applications -- Optical Diagnostics for Gasoline Direct Injection Engines -- Dual Fuel Internal Combustion Engines for Sustainable Transport Fuels -- Compressed Natural Gas Utilization in Dual-Fuel Internal Combustion Engines -- Analysis of the Potential Metal Hydrides for Hydrogen Storage in Automobile Applications -- Waste Heat Recovery Potential from Internal Combustion Engines Using Organic Rankine Cycle.
Sommario/riassunto	This book is based on advanced combustion technologies currently employed in internal combustion engines. It discusses different strategies for improving conventional diesel combustion. The volume includes chapters on low-temperature combustion techniques of compression-ignition engines which results in significant reduction of NOx and soot emissions. The content also highlights newly evolved gasoline compression technology and optical techniques in advanced

gasoline direct injection engines. the research and its outcomes presented here highlight advancements in combustion technologies, analysing various issues related to in-cylinder combustion, pollutant formation and alternative fuels. This book will be of interest to those in academia and industry involved in fuels, IC engines, engine combustion research.