Record Nr. UNINA9910818337603321 Autore Hu Haoran Titolo Advanced hybrid powertrains for commercial / / by Haoran Hu, Simon J. Baseley, Xubin Song Warrendale, Pa. (400 Commonwealth Dr., Warrendale PA USA):,: Pubbl/distr/stampa Society of Automotive Engineers, , 2020 **ISBN** 1-5231-4053-4 1-4686-0137-7 Edizione [2nd edition.] Descrizione fisica 1 online resource (1 PDF (446 pages)) Collana Society of Automotive Engineers. Electronic publications Disciplina 629,2504 Hybrid electric vehicles - Power trains - Design and construction Soggetti Commercial vehicles - Design and construction **TECHNOLOGY & ENGINEERING / Automotive** TECHNOLOGY & ENGINEERING / Power Resources / Alternative & Renewable Automotive technology and trades Alternative and renewable energy sources and technology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Sommario/riassunto Powertrains for commercial vehicles have evolved since the late nineteenth-century invention of the ICE. In the revised second edition of Advanced Hybrid Powertrains for Commercial Vehicles, the authors explore commercial powertrains through history from the ICE through

nineteenth-century invention of the ICE. In the revised second edition of Advanced Hybrid Powertrains for Commercial Vehicles, the authors explore commercial powertrains through history from the ICE through the introduction of the hybrid powertrain in commercial vehicles. Readers are given an understanding of the ICE as well as the classification of commercial vehicle hybrid powertrains, the variety of energy storage systems, fuel-cell hybrid powertrain systems, and commercial vehicle electrification. The authors review the legislation of vehicle emissions and the regulation necessary to promote the production of fuel-efficient vehicles.