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Nota di contenuto	Chapter 1. Please sllow us to introduce ourselves (and our book) -- Chapter 2. History of the automobile (or how we learned to get off our high horse) -- Chapter 3. Vehicle emissions: from (tail)pipe dream to exhaust nightmare -- Chapter 4. Law and order: special emissions unit -- Chapter 5. Diesel's drama: from warm embrace to scandalous affair -- Chapter 6. Resistance is futile: the rise of the battery electric vehicle -- Chapter 7. Your mileage may vary: the positives and negatives of going electric -- Chapter 8. Hydrogen: a new hope or new hype? -- Chapter 9. The ICE is dead, long live the ICE -- Chapter 10. The new ICE age: combustion'scomeback tour -- Chapter 11. Fifty shades of green: propulsion hangs in the balance -- Chapter 12. Tipping the

scale: governments bet it all on BEVs -- Chapter 13. It's not easy being green, but we have some suggestions.

Sommario/riassunto

The authors explore the issues inherent in developing sustainable transportation. They review the types of propulsion systems and vehicle options, discuss low-carbon fuels and alternative energy sources, and examine the role of regulation in curbing emissions. All technologies have an impact on the environment, from internal combustion engine vehicles to battery electric vehicles, fuel cell electric vehicles, and hybrids-there is no silver bullet. The battery electric vehicle may seem the obvious path to a sustainable, carbon-free transportation future, but it's not the only, nor necessarily the best, path forward. The vast majority of vehicles today use the internal combustion engine (ICE), and this is unlikely to change anytime soon. Improving the ICE and its fuels-entering a new ICE age-must be a main route on the road to zero emissions. How do we go green? The future requires a balanced approach to transportation. It's not a matter of choosing between combustion or electrification; it's combustion and electrification. As the authors say, "The future is eclectic." By harnessing the best qualities of both technologies, we will be in the best position to address our transportation future as quickly as possible.