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Altri autori (Persone)	Borge DiezDavid Ortega-CabezasPedro-Miguel
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Nota di contenuto	Macroeconomic impact, reduction of fee deficit and profitability of a sustainable transport model based on electric mobility. Case study: City of León (Spain)2 -- Software validation techniques in the automotive sector -- Driver efficiency and software. Influence on eco-design9 -- Driver efficiency and software. Influence on Vehicle-toBuilding10 -- Contribution of driver efficiency to the European Green Deal12.
Sommario/riassunto	This book evaluates the contributions of the electronic control unit software of an electric vehicle on sustainability and society, such as the reduction of emissions during a product design and the improvements in the vehicle. A sustainable transport model is proposed, demonstrating its economic viability. By validating software in a more efficient way and adding new functionalities to the software to enhance

driving efficiency, energy consumption can be significantly reduced. Therefore, software validation and development have a significant impact on sustainability. This book offers innovative validation solutions based on artificial intelligence techniques to reduce validation time and emissions. The impact of driving efficiency on sustainable transport models is studied in detail, making proposals to be considered in the current environmental policies under discussion within the European Union in order to improve the sustainability of transport models. Vehicles are becoming sophisticated electronic systems due to the fact that they are integrating a significant number of electronic control units. This trend will certainly continue in the year to come. Consequently, software validation techniques are a key element for car manufacturers in order to ensure the quality of the vehicle. This book contributes to these efforts.