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Altri autori (Persone)	KhalidAsadullah JalalAhmed Hasnain
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Nota di contenuto	Smart Mobility - Recent Advances, New Perspectives and Applications -- Contents -- Preface -- Section 1 Sizing, Sensing and Simulation -- Chapter1 Sizing and Lifecycle Assessment of Electrochemical Batteries for Electric Vehicles and Renewable Energy Storage Systems -- Chapter2 Tracking Li-Ion Batteries Using Fiber Optic Sensors -- Chapter3 Investigations of Using an Intelligent ANFIS Modeling Approach for a Li- Ion Battery in MATLAB Implementation: Case Study -- Section 2 Safety and Perspectives -- Chapter4 Halide Perovskites as Emerging Anti-Counterfeiting Materials Contribute to Smart Flow of Goods -- Chapter5 Accidental Injury Analysis and Protection for Automated Vehicles -- Chapter6 Parent Opinions of Automated Vehicles and Young Driver Mobility -- Section 3 Mobility Needs and Cybersecurity Applications -- Chapter7 IoT-Based Route GuidanceTechnology for theVisually Impaired in Indoor Area -- Chapter8 Intersection Management, Cybersecurity, and Local Government: ITS Applications, Critical Issues, and Regulatory Schemes
Sommario/riassunto	This book, 'Smart Mobility: Recent Advances, New Perspectives and

Applications,' edited by Arif I. Sarwat, Asadullah Khalid, and Ahmed Hasnain Jalal, provides a comprehensive exploration of advancements in smart mobility technologies. It delves into topics such as vehicle battery sizing, sensing technologies, lifecycle assessments, safety considerations, cybersecurity applications, and mobility solutions for diverse needs. The book also addresses emerging materials, automated vehicle safety, and IoT-based route guidance for accessibility. Targeting researchers, engineers, policymakers, and students, it presents in-depth analyses and practical insights into sustainable and efficient mobility innovations. The work is grounded in extensive research by leading contributors and aims to shape the future of smart mobility through technological and policy advancements.

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