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Nota di contenuto	Autonomous Parking Using Previous Paths Dynamic eHorizon with Traffic Light Information for Efficient Urban Traffic Virtual Stochastic Testing of Advanced Driver Assistance Systems Shockwave Analysis on Motorways and Possibility of Damping by Autonomous Vehicles Driver Head Pose Estimation by Regression Future Computer Vision Algorithms for Traffic Sign Recognition Systems Inertial Sensors Integration for Advanced Positioning Systems Automotive LIDAR- based strategies for obstacle detection application in rural and secondary roads.
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lies on smart systems for green and automated driving. The automobile of the future has to respond to two major trends, the electrification of the drivetrain, and the automation of the transportation system. These trends will not only lead to greener and safer driving but re-define the concept of the car completely, particularly if they interact with each other in a synergetic way as for autonomous parking and charging, self-driving shuttles or mobile robots. Key functionalities like environment perception are enabled by electronic components and systems, sensors and actuators, communication nodes, cognitive systems and smart systems integration. The book will be a valuable read for research experts and professionals in the automotive industry but the book may also be beneficial for graduate students.