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**Sommario/riassunto**

This book provides a comprehensive overview of Advanced Driver Assistance Systems (ADAS) and automated driving, emphasizing the role of systems engineering in the automotive industry's technological evolution. It explores the lifecycle, processes, and methods essential for developing these systems, influenced by artificial intelligence and technological advancements. Authored by an industry expert, the text is designed for engineers and students seeking to gain insights into designing and implementing ADAS and automated systems. It includes real-world examples to bridge theory with practical applications, preparing readers for complex projects in automotive technology. The book also addresses the challenges and methodologies, such as Agile, used in systems engineering to manage the complexities of modern vehicle systems.

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