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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	New chassis systems -- New chassis systems and methods -- Simulation -- Vehicle handling optimization and control -- Chassis architectures -- Simulators -- Highly automated driving -- Functional safety -- Brake development methods -- Future brake systems and technologies -- Tire technology and trends -- Components of the chassis -- Steering feel and steer-by-wire -- New requirements and solutions in brake development -- Future technology.
Sommario/riassunto	In chassis development, the three aspects of safety, vehicle dynamics and ride comfort are at the top of the list of challenges to be faced. Addressing this triad of challenges becomes even more complex when the chassis is required to interact with assistance systems and other systems for fully automated driving. What is more, new demands are created by the introduction of modern electric and electronic architectures. All these requirements must be met by the chassis, together with its subsystems, the steering, brakes, tires and wheels. At the same time, all physical relationships and interactions have to be taken into account. Contents New chassis systems.- New chassis systems and methods.- Simulation.- Vehicle handling optimization and control.- Chassis architectures.- Simulators.- Highly automated

driving.- Functional safety.- Brake development methods.- Future  
brake systems and technologies.- Tire technology and trends.-  
Components of the chassis.- Steering feel and steer-by-wire.- New  
requirements and solutions in brake development.- Future technology.  
Target audiences Automotive engineers and chassis specialists as well  
as students looking for state-of-the-art information regarding their  
field of activity - Lecturers and instructors at universities and  
universities of applied sciences with the main subject of automotive  
engineering - Experts, researchers and development engineers of the  
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