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Soggetti	Automobiles - Safety measures Traffic safety Automobiles - Technological innovations TECHNOLOGY & ENGINEERING / Automotive TRANSPORTATION / Automotive / General TECHNOLOGY & ENGINEERING / Civil / Highway & Traffic Automotive technology and trades Road and motor vehicles: general interest Highway and traffic engineering
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	"SAE order number R-407"--Title page verso.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Need to Increase Road Safety -- Accident Research -- Integrated Safety -- Functions of Integrated Safety -- Biomechanics and Protection Criteria -- Mitigation of Injuries -- Adaptive Occupant Protection -- Compatibility (Passenger Car, Trucks, Pedestrian) -- Calculation and Simulation -- Looking into the Future.
Sommario/riassunto	Even though a number of developed countries enjoy a high level of vehicle safety, more than 1.2 million fatalities still occur each year on roadways worldwide. There remains a need to continue improving vehicle and road safety. New technologies in sensors and electronic control units, and the growing knowledge of car-to-car and car-to-infrastructure technologies have led to a fusion of the previously

separated areas of accident avoidance (popularly known as active safety) and mitigation of injuries (popularly known as passive safety) into the newer concept of integrated vehicle safety. This new approach represents a further step toward lowering accident rates. This book, written by two of the foremost automotive engineering safety experts, takes a unique and comprehensive approach to describing all areas of vehicle safety: accident avoidance, pre-crash, mitigation of injuries, and post-crash technologies, providing a solutions-based perspective of integrated vehicle safety. Also covered are accident investigation and worldwide legislation as they apply to integrated vehicle safety.

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