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Autore	Coniglio, Giuseppe <1917-1994>
Titolo	Il Viceregno di Napoli nel sec. 17. : notizie sulla vita commerciale e finanziaria, secondo nuove ricerche negli archivi italiani e spagnoli / Giuseppe Coniglio
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Soggetti	Regno di Napoli - Storia finanziaria - Sec. 17
Lingua di pubblicazione	Italiano
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Autore	Arioui Hichem
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Descrizione fisica	1 online resource (154 p.)
Collana	Focus series
Altri autori (Persone)	NehaouaLamri
Disciplina	629.28
Soggetti	Motorcycling Motor vehicles - Safety measures Automobile driving simulators Synthetic training devices
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Nota di contenuto	Cover; Title page; Contents; ACKNOWLEDGMENTS; INTRODUCTION; CHAPTER 1. DRIVING SIMULATION; 1.1. Objectives of driving simulation; 1.2. A short history of driving simulators; 1.2.1. Fixed-base platforms; 1.2.2. Platforms with a serial structure; 1.2.3. Platforms with parallel structure; 1.2.4. Hybrid structured platforms; 1.2.5. "Low-cost" generation; 1.3. Driving simulation objectives; CHAPTER 2. ARCHITECTURE OF DRIVING SIMULATORS; 2.1. Architecture of driving simulators; 2.2. Motion cueing and haptic feedback; 2.2.1. The human motion perception system; 2.2.2. Mathematical description 2.2.3. Motion cueing algorithm2.3. The evolution of simulators: from the automobile to the motorcycle; 2.3.1. Honda simulators; 2.3.2. Tokyo university simulator; 2.3.3. MORIS simulator; 2.3.4. SafeBike simulator; 2.3.5. Bicycle simulator - Kaist; 2.3.6. Discussion; CHAPTER 3. DYNAMICS OF TWO-WHEELED VEHICLES; 3.1. Modeling aspect; 3.1.1. Vehicle motion; 3.1.2. Road-tire interface; 3.1.3. Direction system; 3.1.4. Suspensions; 3.1.5. Motorization and traction chain; 3.2. The literature on existing models; 3.2.1. Models of the automobile; 3.2.2. Two-wheeled vehicle models

3.3. Dynamic behavior of automobiles3.4. Dynamic behavior of two-wheeled vehicles; 3.5. Summary; CHAPTER 4. TWO-WHEELED RIDING SIMULATOR: FROM DESIGN TO CONTROL; 4.1. Introduction; 4.2. The design and mechanical aspects of the simulator; 4.3. The mechatronics of the simulator; 4.3.1. Description of the simulation loop; 4.3.2. Platform instrumentation; 4.3.3. Sequencing and synchronization; 4.4. Specification of the simulator; 4.4.1. Inverse kinematic of the simulator platform; 4.4.2. Dynamic modeling of the platform; 4.4.3. Identification 4.5. Multi-sensory integration: washout and force feedback4.5.1. Localization of the washout; BIBLIOGRAPHY; INDEX

Sommario/riassunto

Passive and active safety systems (ABS, ESP, safety belts, airbags, etc.) represent a major advance in terms of safety in motoring. They are increasingly developed and installed in cars and are beginning to appear in twowheelers. It is clear that these systems have provenefficient, although there is no information about their actual operation by current users. The authors of this book present a state of the art on safety systems and assistance to driving and their two-wheeled counterparts. The main components constituting a driving simulator are described, followed by a classification of