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Modelling, Simulation and Control of Two-Wheeled Vehicles (Automotive Series)

Mara Tanelli, Matteo Corno, Sergio Saveresi

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Many books have been written on modelling, simulation and control of four-wheeled vehicles (cars, in particular). However, due to the very specific and different dynamics of two-wheeled vehicles, it is very difficult to reuse previous knowledge gained on cars for two-wheeled vehicles.

Modelling, Simulation and Control of Two-Wheeled Vehicles presents all of the unique features of two-wheeled vehicles, comprehensively covering the main methods, tools and approaches to address the modelling, simulation and control design issues. With contributions from leading researchers, this book also offers a perspective on the future trends in the field, outlining the challenges and the industrial and academic development scenarios. Extensive reference to real-world problems and experimental tests is also included throughout.

Key features:

- The first book to cover all aspects of two-wheeled vehicle dynamics and control
- Collates cutting-edge research from leading international researchers in the field
- Covers motorcycle control – a subject gaining more and more attention both from an academic and an industrial viewpoint
- Covers modelling, simulation and control, areas that are integrated in two-wheeled vehicles, and therefore must be considered together in order to gain an insight into this very specific field of research
- Presents analysis of experimental data and reports on the results obtained on instrumented vehicles.

Modelling, Simulation and Control of Two-Wheeled Vehicles is a comprehensive reference for those in academia who are interested in the state of the art of two-wheeled vehicles, and is also a useful source of information for industrial practitioners.

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Modelling, Simulation and Control of Two-Wheeled Vehicles (Automotive Series) can be one of your beginner books that are good idea. Many of us recommend that straight away because this reserve has good vocabulary that will increase your knowledge in terminology, easy to understand, bit entertaining but nevertheless delivering the information. The author giving his/her effort to place every word into satisfaction arrangement in writing Modelling, Simulation and Control of Two-Wheeled Vehicles (Automotive Series) yet doesn't forget the main stage, giving the reader the hottest in addition to based confirm resource facts that maybe you can be considered one of it. This great information may drawn you into completely new stage of crucial thinking.

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