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Sommario/riassunto	This book consists of eleven chapters that covers all aspects of mechatronics systems from basics to advanced. This book is an edited compilation of original research and applications backed with experimental, numerical and theoretical data on mechatronics systems, suitably categorized into sections of closely related topics, contributed by researchers, academics, scientists, industrialists and professionals from the field on various aspects of mechatronics. Therefore, it will provide logical, technical as well as analytical solutions and ideas to complex problems faced by researchers in the field of mechatronics. The academicians and students will get a comprehensive update on the state-of-the-art in this area and ample ideas for further research and innovation in mechatronics.