



Smart Electromechanical Systems

By Andrey E. Gorodetskiy

Springer-Verlag GmbH Jan 2016, 2016. Buch. Condition: Neu. Neuware - This carefully edited book introduces the latest achievements of the scientists of the Russian Academy of Sciences in the field of theory and practice of Smart Electromechanical Systems (SEMS). The book also focuses on methods of designing and modeling of SEMS based on the principles of adaptability, intelligence, biomorphism of parallel kinematics and parallelism in information processing and control computation. The book chapters are dedicated to the following points of interest: - methods of design of SEMS modules and intelligent robots based on them; - synthesis of neural systems of automatic control over SEMS modules; - mathematical and computer modeling of SEMS modules and Cyber Physical Systems based on them; - vitality control and reliability analysis based on logic-and-probabilistic and logic-and-linguistic forecasting; - methods of optimization of SEMS control systems based on mathematical programming methods in ordinal scale and generalized mathematical programming; - information-measuring software of SEMS modules and CPS based on them. This book is intended for students, scientists and engineers specializing in the field of SEMS and robotics, and includes many scientific domains such as kinematics, dynamics, control theory. 277 pp. Englisch.



READ ONLINE
[6.75 MB]

Reviews

This created publication is wonderful. This can be for those who state that there had not been a worth looking at. Your lifestyle period will probably be transform when you comprehensive looking at this book.

-- **Chelsey Nicolas**

This is the finest publication we have read through right up until now. Better then never, though i am quite late in start reading this one. Its been written in an remarkably easy way in fact it is only after i finished reading through this book by which basically altered me, affect the way i think.

-- **Dr. Gabriella Hayes**