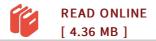


DOWNLOAD

Materials and Devices for Smart Systems III: Volume 1129 (Paperback)

By -

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English Brand New Book ***** Print on Demand *****.Smart/intelligent systems employ active materials as sensors/actuators to respond to environmental conditions for next-generation machines and structures - applications ranging from everyday life to space exploration missions, from civilian products to military needs, from robots to information/communication technology. It is not surprising, then, that the development of smart materials systems and structures demand higher performance sensors/actuators with new and reliable functions and a fully integrated composite system design. This requires the combination of active and passive materials systems, often including the coupling of relevant mechanical, electrical, magnetic, thermal or other physical/chemical properties. This book bridges the fields of smart materials, sensing and actuating devices, and intelligent/smart systems, and provides an opportunity for researchers from related disciplines to build an interdisciplinary research field and community. Topics include: ferroelectrics and piezoelectrics; nanomaterials and nanofabrication; shape-memory alloys and magnetomaterials; active polymers and soft matters; and other materials, devices and characterization.



Reviews

Complete guideline for ebook enthusiasts. It really is loaded with knowledge and wisdom Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Delilah Hansen

Excellent electronic book and helpful one. Better then never, though i am quite late in start reading this one. You wont truly feel monotony at whenever you want of your time (that's what catalogues are for relating to when you question me).

-- Mabelle Dach III