



## Advanced Mechatronics and MEMS Devices (Microsystems)

From Springer



**Advanced Mechatronics and MEMS Devices (Microsystems)** From Springer

This book describes state-of-the-art MEMS devices and introduces the latest technology in electrical and mechanical microsystems. It also presents a number of topics in advanced robotics and an abundance of applications of MEMS in robotics.

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### Editorial Review

From the Back Cover

*Advanced Mechatronics and MEMS Devices* describes state-of-the-art MEMS devices and introduces the latest technology in electrical and mechanical microsystems. The evolution of design in microfabrication, as well as emerging issues in nanomaterials, micromachining, micromanufacturing and microassembly are all discussed at length in this volume. Advanced Mechatronics also provides a reader with knowledge of MEMS sensors array, MEMS multidimensional accelerometer, artificial skin with imbedded tactile components, as well as other topics in MEMS sensors and transducers. The book also presents a number of topics in advanced robotics and an abundance of applications of MEMS in robotics, like reconfigurable modular snake robots, magnetic MEMS robots for drug delivery and flying robots with adjustable wings, to name a few. This book also:

- Covers the fundamentals of advanced mechatronics and MEMS devices while also presenting new state-of-the-art methodology and technology used in the application of these devices
- Presents numerous applications of MEMS technology in robotics, using novel applications of micro-robots based on MEMS design and implementation
- Uses an extensive number of case studies

*Advanced Mechatronics and MEMS Devices* is an ideal book for engineers, researchers, and graduate students who are interested in mechatronics and MEMS technology.

### Users Review

**From reader reviews:**

**John Charlie:**

Do you one of people who can't read gratifying if the sentence chained within the straightway, hold on guys this kind of aren't like that. This Advanced Mechatronics and MEMS Devices (Microsystems) book is readable through you who hate the straight word style. You will find the data here are arrange for enjoyable reading experience without leaving also decrease the knowledge that want to provide to you. The writer of Advanced Mechatronics and MEMS Devices (Microsystems) content conveys prospect easily to understand by many individuals. The printed and e-book are not different in the content material but it just different available as it. So , do you nonetheless thinking Advanced Mechatronics and MEMS Devices (Microsystems) is not loveable to be your top list reading book?

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