

# Advances in MEMS and Microfluidic Systems

Part of the Advances in Mechatronics and Mechanical Engineering Book Series

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## Description:

Microelectromechanical systems (MEMS) device applications are common in many areas. Micromirror arrays are used as video projectors; microsensors find their application for measuring acceleration, temperature, and pressure; and they can also be used in the medical field for measuring blood pressure. Microfluidics have also been widely employed in life sciences applications, such as drug development and administration, point-of-care devices, and more. To use these technologies to their fullest extent, further research is needed.

**Advances in MEMS and Microfluidic Systems** explores the emerging research and advances in MEMS devices and microfluidic systems applications. It features in-depth chapters on microfluidic device design and fabrication as well as on the aspects of devices/systems, characterization, and comparative research findings. Covering topics such as biosensors, lab-on-a-chip, and microfluidic technology, this premier reference source is an indispensable resource for engineers, health professionals, students and educators of higher education, librarians, researchers, and academicians.



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