



## MEMS: Design and Fabrication (Mechanical and Aerospace Engineering Series)

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The second volume, MEMS: Design and Fabrication, details the techniques, technologies, and materials involved in designing and fabricating MEMS devices. It begins with an overview of MEMS materials and then examines in detail various fabrication and manufacturing methods, including LIGA and macromolding, X-ray based fabrication, EFAB® technology, and deep reactive ion etching. This book includes three new chapters on polymeric-based sensors and actuators, diagnostic tools, and molecular self-assembly. It is a thorough guide to the important aspects of design and fabrication.

MEMS: Design and Fabrication comprises contributions from the foremost experts in their respective specialties from around the world. Acclaimed author and expert Mohamed Gad-el-Hak has again raised the bar to set a new standard for excellence and authority in the fledgling fields of MEMS and nanotechnology.

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