



**actuators**



*Special Issue Reprint*

## **Actuating, Sensing, Control, and Instrumentation for Ultra Precision Engineering**

[www.mdpi.com/books/reprint/8747](http://www.mdpi.com/books/reprint/8747)

Edited by  
Limin Zhu  
Yuen Kuan Yong  
Yanling Tian  
Yingxiang Liu

ISBN 978-3-0365-9526-9 (Hardback)

ISBN 978-3-0365-9527-6 (PDF)



Ultra-Precision Engineering (UPE) is a comprehensive field that concerns the design, manufacture and measurement of ultra-precision components and systems. With the progress of new solutions to UPE, the demand of advanced mechatronic systems with high-performance on freedom, stroke, resolution, accuracy and bandwidth has been continuously increasing. This Special Issue is a collection of 13 excellent research papers published in *Actuators*, showcasing and discussing new advances in actuators and mechatronic systems for UPE as well as ultra-precision machines.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/8747](http://www.mdpi.com/books/reprint/8747)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.