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# INTERNATIONAL JOURNAL OF OPTOMECHATRONICS

## ***Editor-in-Chief***

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**International Journal of Optomechatronics** will provide a multidisciplinary forum for the publication of the latest research results in the integrated field of optical, mechanical, and electrical engineering. All submissions will be peer-reviewed. Articles in the journal will focus not only on practical applications in the optic and mechatronic fields, but also on fundamental phenomena arising from the interaction between the two fields.

The journal will cover various aspects of the fundamental engineering principles of integrating optics/photonics and mechatronics, which include the interaction phenomena between optics and mechatronics, optical elements integrated with mechatronic systems, mechatronic elements integrated with optical systems, optomechatronic interfaces, embedded optomechatronic systems, and application of optics, electronics, and mechanics for the enhancement or creation of new functionalities for optical or mechatronic components, devices, products and systems, including industrial and manufacturing systems.

Topics will include:

- sensors and actuators
- adaptive optics
- laser optics
- optical metrology
- optical systems control
- machine vision
- visual motion tracking and control
- optical based inspection and fault diagnosis
- micro/nano manipulation
- micro/nano components and devices
- design/fabrication for optomechatronic systems
- optical and vision-based manufacturing processes monitoring and control
- optical switching and scanning
- optical modulation
- micro opto-electronics-mechanical systems
- tunable optical systems
- laser processing
- optical and vision-based sensors
- optical and multi-sensor fusion
- optical assembly and packaging
- optical-based remote operation
- optomechatronic devices, instruments, and systems
- semiconductor devices
- optical and visual-based bio and robotic applications

## ***Instructions for Authors***

Please submit manuscripts to:

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Submissions from all technology fields related to optomechatronics will be welcome.

***View additional manuscript information on the journal's website: <http://www.tandf.co.uk/journals/titles/15599612.asp>***

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