

Microsystems & Nanoengineering

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FACTOR

Call for submissions

Microsystems & Nanoengineering, the first engineering journal of Springer Nature with a target for high-end publications for years to come, seeks to promote research on all aspects of microsystems and nanoengineering from fundamental to applied research. This journal will publish original articles and reviews on cutting-edge and emerging topics in microsystems and nanoengineering, and articles should be of high quality, high interest, and far-reaching consequence. The scope of this new journal covers new design (theory, modelling, and simulation), fabrication, characterization, reliability, and applications of devices and systems in micro- and nano-scales. This new journal will provide a home for the latest research and a platform for more exchange and collaboration among scientists in the new multidisciplinary area.

Topics of particular interest within the journal's scope include, but are not limited to, those listed below:

- New physics of micro- and nano-systems
- Micro- and nano-mechanics, modelling
- New materials for micro- and nano-systems
- Micro- and nano-structures
- Micro- and nano-sensors
- Micro- and nano-actuators
- Micro- and nano-fluidics
- Polymer MEMS and NEMS
- Biomedical MEMS and NEMS
- Energy harvesting and power MEMS
- Micro- and nano-optics, optical MEMS
- Integrated photonics, hybrid optical and electronic integration
- Nanophotonic systems and circuits, microwave photonics
- Micro- and nano-engineered systems, integrated microsystems and functional nanosystems
- Micro- and nano-fabrication technologies, "top-down" and "bottom-up" technologies
- Characterization of micro- and nano-systems
- Micro- and nano-scale mass and heat transfer
- Applied sciences of micro- and nano-systems

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