



# The Third International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale

## 26-30 August 2013, Suzhou, China

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**3M-NANO** is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, which will be held for the third time in Suzhou, China. The ultimate ambition of this new conference series is to bridge the gap between nanosciences and engineering sciences, aiming at emerging market and technology opportunities. The advanced technologies for manipulation, manufacturing and measurement on the nanoscale promise novel revolutionary products and methods in numerous areas of application.

Scientists working in research fields related to 3M-NANO topics are now invited to submit **Late News Papers (up to 2 pages)**. Authors of selected Late News contributions will be invited after the conference to submit a full paper for publication in the J of Micro-Bio Robotics, Int. J of Nanomanufacturing, Int. J of Intelligent Mechatronics and Robotics, the Open Mechanical Engineering J, Int. J of Optomechatronics, and other SCI/Ei journals.

**Sponsors:** **National Natural Science Foundation of China**  
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**Topics:** Specific topics include, but are not limited to

Nanomanipulation and nanoassembly	Self-assembly on the nanoscale
Nanomaterials and nanocharacterization	Optical nanometrology
Nanohandling robots and systems	Nanometrology for MEMS/NEMS
Nanorobotics	Precision lasers for nanometrology
Nanopositioning systems	Quantum dots, graphene
Nanosensors	Nanowires, nanotubes, nanohelices
Nanohandling systems in SEM	Nanoelectronics and nanomagnetism
AFM-based nanohandling	Nanophotonics and photonic crystals
Nanofabrication processes and systems	Nanomechanics and nanomechatronics
Control issues in nanohandling	NEMS applications
Process automation on the nanoscale	Nanopackaging
Micro-to-nano-scale bridging	Nanofluidics
Modeling of nanoscale effects	Bio-Nano devices and applications

**High-profile keynote talks (25-28)** on selected topics in manipulation, manufacturing and measurement on the nanoscale will be offered by **distinguished international experts**.

**Social events:** 3M-NANO aims at encouraging long-term partnerships and collaborative activities between experts in nanosciences and in engineering sciences. **Get-together events will be organized by 3M-NANO as part of this effort.**

**Venue:** Suzhou is a famous tourist attraction, a city with a history of more than 2500 years. It is regarded as "Paradise on the Earth" or "Venice of the East" and renowned for the beautifully designed stone bridges, pagodas, and gardens. The unique water town Zhouzhuang is known for its ancient traditions, preserved buildings, and picturesque location. Occupying an area of over half a square km, over 60 percent of Zhouzhuang's buildings were designed during the Ming (1368-1644) and Qing (1644-1911) Dynasties.

### Important Dates

<b>Late News paper submission (up to 2 pages)</b>	<b>20 June 2013</b>
<b>Notification of acceptance</b>	<b>30 June 2013</b>
<b>Advanced registration</b>	<b>30 June 2013</b>
<b>Registration for accepted papers</b>	<b>30 June 2013</b>



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