



# First Announcement



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

27 - 31 August 2013, Suzhou, China

**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 invited to submit papers. **Selected outstanding papers from 3M-NANO 2013 will be recommended for publication in relevant journals cited by SCI or Ei indexed.**

**Sponsors:** **Soochow University, China**  
**Changchun University of Science and Technology, China**  
**Institute for Information Technology, Oldenburg, Germany**  
**University of Oldenburg, Germany**

### Conference topics include, but are not limited to

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|----------------------------------------|-------------------------------------|
| 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 nanomagnetics   |
| 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   |

**Opening workshop** with high-profile keynote talks on selected topics in manipulation, manufacturing and measurement on the nanoscale will be arranged on the first conference day. **Workshop attendance is covered by 3M-NANO registration fee.**

**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, the cradle of Wu Culture, is a city with a history of more than 2,500 years, going back to the later Shang Dynasty. The old saying describes it as "Paradise on the Earth" or "Venice of the East". The city is renowned for its beautiful stone bridges, pagodas, and meticulously designed gardens, like Humble Administrator's Garden, Tiger Hill and Cold Mountain Temple, which contributed to its status as a great tourist attraction. One of the most famous landmarks is Zhouzhuang, the unique water town known for its ancient traditions, preserved buildings, and picturesque location. Occupying an area of just over half a square km, over 60 percent of Zhouzhuang's buildings were designed during the Ming (1368-1644) and Qing (1644-1911) Dynasties. Since the Song Dynasty (960-1279), Suzhou has also been an important centre for China's silk industry and continues to hold that prominent position today.



### Important Dates

**Full paper submission** 1 March 2013  
**Proposals for special sessions** 1 March 2013



[www.3M-NANO.org](http://www.3M-NANO.org)

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