



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 will be recommended for publication in relevant journals cited by SCI or Ei indexed.**

Organized by: 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 nanomagnetism |
| AFM-based nanohandling | Nanophotonics and photonic crystals |
| Nanofabrication processes and systems | NEMS applications |
| Control issues in nanohandling | Nanopackaging |
| Process automation on the nanoscale | Nanofluidics |
| Modeling of nanoscale effects | Bio-Nano devices and applications |

Social events: 3M-NANO conferences aim at supporting the nanohandling research community, encouraging long-term partnerships and collaborative research activities. Various social events and tours will be organized.

Venue: Suzhou, the cradle of Wu Culture, is a city with a history of more than 2500 years, going back to the later Shang Dynasty, and a famous tourist attraction. It is regarded as "Paradise on the Earth" or "Venice of the East" and renowned for the beautiful stone bridges, pagodas, and meticulously designed gardens, like Humble Administrator's Garden, Tiger Hill and Cold Mountain Temple. 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 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 April 2013
Proposals for special sessions 1 April 2013

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