



3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, which will be held 2014 in Taipei, Taiwan. **The ultimate ambition of this 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:

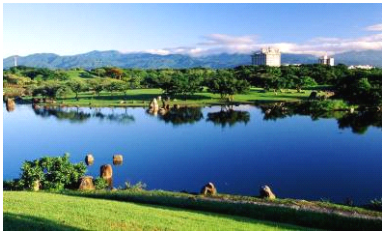
- Academia Sinica, Taiwan**
- National Taiwan University, Taipei, Taiwan**
- Industrial Technology Research Institute, Taiwan**
- Changchun University of Science and Technology, China**
- Institute for Information Technology, Oldenburg, Germany**
- University of Oldenburg, Germany**

Conference topics include, but are not limited to

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| Nanomanipulation and nanoassembly | Self-assembly on the nanoscale |
| Nanomaterials and nanocharacterization | Error detection in nanomanufacturing |
| Nanohandling robots and systems | Optical nanometrology |
| Nanorobotics | Nanometrology for MEMS/NEMS |
| Nanopositioning systems | Precision lasers for nanometrology |
| Nanosensors | Advanced techniques for nanometrology |
| Nanohandling systems in SEM | Quantum dots, graphene |
| AFM-based nanohandling | Nanowires, nanotubes, nanohelices |
| Nanofabrication processes and systems | Nanoelectronics and nanomagnetics |
| Control issues in nanohandling | Nanophotonics and photonic crystals |
| Process automation on the nanoscale | Nanomechanics and nanomechatronics |
| Micro-to-nano-scale bridging | NEMS applications |
| Micro-Nano integration | Nanopackaging |
| System aspects of nanohandling | Nanofluidics |
| Modeling of nanoscale effects | Nanomedical devices and applications |
| Nanohandling applications | 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: Taipei, the political, economic, and cultural center of Taiwan, is the island's most populous city. Taipei originated as a small trading port two hundred years ago before becoming a sprawling metropolis. Must-see sights in Taipei include the ancient like 10th-century artwork at the National Palace Museum, and the strikingly modern like Taipei 101, the world's tallest building from 2004-2010. Famous delicious food ranges from fermented stinky tofu and amazing dumplings to bamboo charcoal peanuts. Visit and enjoy Taipei along with 3M-NANO 2014!



Important Dates

Full paper submission	1 June 2014
Proposals for special sessions	1 June 2014

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