

The 4th International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale

27–31 October 2014, Taipei, Taiwan



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3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held in 2014 in Taipei, Taiwan. **The ultimate ambition of this conference series is to bridge the gap between nanosciences and engineering sciences**, aiming at technology opportunities and emerging markets. 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. **All accepted full papers (presented at the conference and following IEEE format) will be included in IEEE Xplore database and indexed by Ei Compendex.** Selected papers will be recommended for publication in the IEEE Trans. on Automation Science & Engineering, Int. J of Nanomanufacturing, Int. J of Intelligent Mechatronics and Robotics, Int. J of Optomechatronics, J of Micro-Bio Robotics, and other SCI/Ei journals.

Organizers:

Industrial Technology Research Institute, Taiwan

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IEEE Nanotechnology Council (technically sponsored)

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Topics:

Specific topics include, but are not limited to

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| Nanohandling robots and systems | Nanomaterials and applications |
| Nanofabrication processes and systems | Graphene, nanowires, nanotubes |
| Nanometrology and nanocharacterization | Nanoelectronics and nanomagnetics |
| Nanopositioning and nanomanipulation | Nanophotonics and photonic crystals |
| Nanosensor design and applications | Nanomechanics and nanomechatronics |
| AFM and SEM for nanohandling | NEMS and their applications |
| Process automation at nanoscale | Nanopackaging |
| Self-assembly at nanoscale | Nanofluidics |
| Nanoscale robotics | Bio-Nano devices and applications |

High-profile keynote talks (20-25) 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: Taipei, the political, economic, and cultural center of Taiwan, is the island's most populous city. Taipei was as a small trading port two hundred years ago before becoming a sprawling metropolis. Must-see sights in Taipei include the ancient 10th-century artwork at the National Palace Museum, and the striking Taipei 101, one of the world highest buildings. Famous local 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

Proposals for special sessions (5-6 papers)

1 June 2014

1 June 2014



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