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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 new markets. The advanced technologies for manipulation, manufacturing and measurement at 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, IFAC Mechatronics, Int. J of Optomechatronics, J of Micro-Bio Robotics, and other SCI/Ei journals.

Organizers:

Industrial Technology Research Institute
Academia Sinica
National Taiwan University
IEEE Nanotechnology Council (technically sponsored)
Changchun University of Science and Technology
University of Oldenburg, Germany
OFFIS, Oldenburg, Germany

Topics:

Specific topics include, but are not limited to

Nanohandling robots and systems	Nanomaterials and applications
Nanofabrication processes and systems	Graphene, nanowires, nanotubes
Nanometrology and nanocharacterization	Nanoelectronics and nanomagnetism
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

15 June 2014

Proposals for special sessions (5-6 papers)

15 June 2014



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