



The 5th International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale

First Announcement

9-13 November 2015, Guangzhou, China



3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, which will be held 2015 in Guangzhou, China. **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. All accepted full papers (presented at the conference and following IEEE format) will be included in IEEE Xplore database and indexed by Ei Compendex, upon the approval by IEEE Conference Business Services. Selected outstanding papers will be recommended for publication in the J of Micro-Bio Robotics, Int. J of Nanomanufacturing, Int. J of Intelligent Mechatronics and Robotics, Int. J of Optomechatronics, and other SCI/Ei journals.

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Conference topics include, but are not limited to

Nanomanipulation and nanoassembly	Self-assembly on the nanoscale
Nanomaterials and nanocharacterization	Nanometrology
Nanohandling robots and systems	Precision lasers for nanometrology
Nanorobotics	Quantum dots, graphene
Nanosensors	Nanowires, nanotubes, nanohelices
AFM-based nanohandling	Nanoelectronics and nanomagnetics
Nanofabrication processes and systems	Nanophotonics and photonic crystals
Control issues in nanohandling	NEMS applications
Process automation on the nanoscale	Nanofluidics
Modeling of nanoscale effects	Bio-Nano devices and applications

High-profile keynote talks (20-25) on selected topics in manipulation, manufacturing and measurement at nanoscale will be offered by distinguished international experts.

Venue: Known as Canton and Flower City with its pleasant and evergreen weather throughout the year, Guangzhou is located about 120 km from Hong Kong. Being the third largest Chinese city with a population of 13 million and host of 2010 Asian Games, Guangzhou plays a pivotal role in the rapid social and economic development of southern China and enjoys a modern transportation infrastructure.

Important Dates

Full paper submission 1 June 2015
Proposals for special sessions 1 June 2015

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