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3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held in 2015 in Guangzhou, China. **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 Compindex.** 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: South China University of Technology, China
University of Oldenburg, Germany
Changchun University of Science and Technology, China
IEEE Nanotechnology Council (technically sponsored)
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 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: Known as Canton and Flower City with its pleasant and evergreen weather throughout the year, Guangzhou is located next door to 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. Visit and enjoy Canton at 3M-NANO 2015!

Important Dates

Full paper submission
Proposals for special sessions (5-6 papers)

1 June 2015
1 June 2015



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