3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held in Tianjin, 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 revolutionary products and applications 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 submitted in IEEE Xplore database and Ei Compendex. Selected papers will be recommended for publication in the IEEE Trans. on Automation Science & Engineering, Int. J of Nanomanufacturing, Int. J of Optomechatronics, J of Micro-Robotics, Journal of Bionic Engineering, Light (Science & Applications), Optics and Precision Engineering and other SCI/Ei journals.

Organizers:
Sichuan University, China
International Society for Nano Manufacuring, Manipulation and Measurement Changshung University of Science and Technology, China
IEEE Nanotechnology Council
Tampere University of Technology, Finland
University of Bedfordshire, UK
University of North Wales, UK
Aarhus University, Denmark

Topics:
Specific topics include, but are not limited to:
- Nanohandling robots and systems
- Nanofabrication and nanoassembly
- Nanomorphology and nanocharacterization
- Nanopositioning and nanomanipulation
- Nanosensing and microscopy
- AFM and SEM for nanohandling
- Process automation at nanoscale
- Self-assembly at nanoscale
- Nanoscale robotics
- Nanolithography
- Nanoenergy

High-profile keynote talks (20-24) 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: Chengdu, formerly transliterated as Chengtu, is the capital of Sichuan province, of Southwest China, maintaining sub-provincial administrative status. Chengdu is also one of the most important economic centres, transportation and communication hubs in Western China. Chengdu is located at the western edge of the Sichuan Basin and sits on the Chengdu Plain; the dominating terrain is plains. Sichuan cuisine is a style of Chinese cuisine originating in the Sichuan Province of southwestern China famed for bold flavors, particularly the pungency and spiciness resulting from liberal use of garlic and chili peppers, as well as the unique flavour of the Sichuan peppercorn. There are many local variations of Sichuan cuisine within Sichuan Province and the Chongqing region. Some typical styles are Chongqing style, Chengdu style, Zigong style, and Buddhist vegetarian style. UNESCO has declared Sichuan cuisine as an Intangible Cultural Heritage of Humanity.

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