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3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held in August in Changchun, 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 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, IFAC Mechatronics, Int. J of Optomechatronics, J of Micro-Bio Robotics, Journal of Bionic Engineering, Light (Science & Applications), Optics and Precision Engineering, International Journal of Extreme Manufacturing and Material Today Bio and other SCI/EI journals.

Organizers: Jilin University, China

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State Key Laboratory of High Power Semiconductor Laser, China
International Society for Nano Manipulation, Manufacturing and Measurement
IEEE Nanotechnology Council

Topics: Specific topics include, but are not limited to

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| Nanohandling robots and systems | Nanomaterials and applications |
| Nanofabrication and nanoassembly | Graphene and applications |
| Nanometrology and nanocharacterization | Nanoparticles, nanowires and nanotubes |
| Nanopositioning and nanomanipulation | Nanoelectronics and nanomagnetics |
| Nanosensing and microscopy | Nanophotonics and plasmonics |
| AFM and SEM for nanohandling | Nanomechanics and nanomechatronics |
| Process automation at nanoscale | NEMS and their applications |
| Self-assembly at nanoscale | Nanofluidics |
| Nanoscale robotics | DNA detection and sequencing |
| Nanolithography | Bio-nano devices and applications |
| Nanoenergy | Bio-nanoimaging and nanomeasurement |

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: Changchun, is the capital of Jilin Province. In the eyes of a Chinese, it is a Chinese version of a combination of Detroit and Hollywood. It has China's largest motor vehicle plant and its biggest film studio. Lying in Songliao Plain hinterland, Changchun's terrain is plain and open. Its urban area is 250~350 meters above sea level. It belongs to the continental monsoon climate with a clear difference in the four seasons. Spring is dry and windy; summer is damp and hot with much rainfall; autumn is clean and clear and winter is cold and long. However, Changchun's climate is generally temperate and pleasant and it has enjoyed the reputation of "Spring City of North of the Great Wall".



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