2025 IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale
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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/EE journals.

Organizers: Jilin University, China
International Research Centre for Nano Handling and Manufacturing of China
Changchun University of Science and Technology, China
Aarhus University, Denmark
University of Warwick, UK
University of Bedfordshire, UK
Ministry of Education Key Laboratory for Cross-Scale Micro and Nano Manufacturing, China
International Joint Research Center for Nanophotonics and Biophotonics, China
State Key Laboratory of High Power Semiconductor Laser, China
International Society for Nanomanufacturing and Measurement IEEE Nanotechnology Council

Topics: Specific topics include, but are not limited to
- Nanomanufacturing and systems
- Nanomanufacturing and assembly
- Nanomanometry and nanocharacterization
- Nanopositioning and nanomanipulation
- Nanosensing and microsensors
- AFM and SEM for nanomanufacturing
- Process automation at nanoscale
- Self-assembly at nanoscale
- Nanoscale robotics
- Nanolithography
- Nanoelectronics
- Nanomanufacturing and microfluidics
- DNA detection and sequencing
- Nano-devices and applications
- Nanoelectronic and nanomaterials
- Nanotechnology and nanosystems
- NANOMANUFACTURING AND MEASUREMENT ON THE NANOSCALE

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 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 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 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 combination of Detroit and Hollywood. It has China's largest motor vehicle plant and its biggest film studio.