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3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held on 29 July – 2 August 2024 in Zhongshan, 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, Material Today Bio, and other SCI/EI journals.

Organizers: Zhongshan Institute of Changchun University of Science and Technology, China
 International Research Centre for Nano Handling and Manufacturing of China
 Changchun University of Science and Technology, China
 Foshan University
 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 Society for Nano Manipulation, Manufacturing and Measurement
 IEEE Nanotechnology Council

Topics: Specific topics include, but are not limited to

Nanohandling robots and systems	Nanomaterials and applications
Nanofabrication and nanoassembly	Graphene, 2D materials 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
Nanoscience for healthy foods	Nanotech and environmental protection
3D/4D printing and applications	

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: Zhongshan City, formerly known as Xiangshan, is located in Guangdong Province, and it is the geometric center of the Guangdong-Hong Kong-Macao Greater Bay Area, with five international airports in Zhuhai, Shenzhen, Guangzhou, Hong Kong and Macao, as well as four deep-water ports, namely, Nansha Port, Yantian Port, Shekou Port and Gaolan Port, within a radius of 90 km.

Important Dates

Full paper submission:	1 May 2024
Proposals for special session (5-6 papers):	1 May 2024
Advanced registration (Early bird discount):	15 July 2024



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