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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 2027 in Shanghai, 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, eLight, Light: Advanced Manufacturing and other SCI/EI journals.

## Organizers:

Shanghai Jiao Tong 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

Zhongshan Institute of Changchun University of Science and Technology, 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  
Nanofabrication and nanoassembly  
Nanometrology 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  
Nanoscience for healthy foods  
3D/4D printing and applications

Nanomaterials and applications  
Graphene, 2D materials and applications  
Nanoparticles, nanowires and nanotubes  
Nanoelectronics and nanomagnetics  
Nanophotonics and plasmonics  
Nanomechanics and nanomechatronics  
NEMS and their applications  
Nanofluidics  
DNA detection and sequencing  
Bio-nano devices and applications  
Bio-nanoimaging and nanomeasurement  
Nanotech and environmental protection

**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:** Shanghai, a municipality directly under the central government of China, is a modern international metropolis with a spirit of inclusiveness, pursuit of excellence, broad-mindedness, and humility. Located at the estuary of the Yangtze River in East China and facing the Pacific Ocean, Shanghai forms part of the Yangtze River Delta, one of China's most robust, open and innovative regions.

## Important Dates

**Full paper submission:**

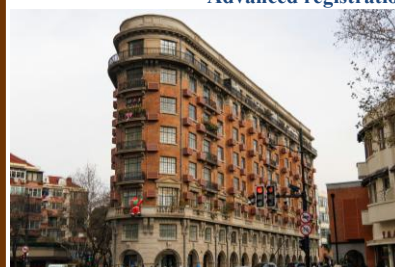
**Proposals for special session (5-6 papers):**

**Advanced registration (Early bird discount):**

**1 May 2027**

**1 May 2027**

**15 July 2027**



[www.3M-NANO.org](http://www.3M-NANO.org)

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