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2027 IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale

2-6 August 2027, Shanghai, China

3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held on 2-6 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 IEEE Transactions on Automation Science and Engineering, International Journal of Nanomanufacturing, Mechatronics, International Journal of Optomechatronics, Journal of Micro-Bio Robotics, Journal of Bionic Engineering, Light: Science & Applications, Optics and Precision Engineering, eLight, and Light: Advanced Manufacturing.

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Topics: Specific topics include, but are not limited to

- Nanohandling robots and systems
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- 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
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- Nanophotonics and plasmonics
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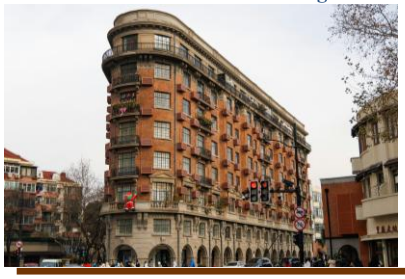
Important Dates

Full paper submission:	**1 May 2027**
Proposals for special session (5-6 papers):	**1 May 2027**
Advanced registration (Early bird discount):	**15 July 2027**



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