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**3M-NANO** is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; IEEE 3M-NANO 2019 will be held in August in Zhenjiang, 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 and other SCI/Ei journals.

**Organizers:** Jiangsu University, China

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**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:** Zhenjiang is a prefecture-level city in Jiangsu Province, China. It lies on the southern bank of the Yangtze River near its intersection with the Grand Canal. It is opposite Yangzhou (to its north) and between Nanjing (to its west) and Changzhou (to its east). Zhenjiang was formerly the provincial capital of Jiangsu and is still one of China's busiest ports for domestic commerce, serving as a hub for trade among Jiangsu, Anhui, and Shanghai. The trade mostly consists of grain, cotton, oils, and lumber. The other main industries are mostly in the field of food processing and paper pulp manufacturing.



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