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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 2017 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 and other SCI/Ei journals.

**Organizers:** Shanghai Jiao Tong University, China  
International Society for Nano Manipulation, Manufacturing and Measurement  
Changchun University of Science and Technology, China  
IEEE Nanotechnology Council  
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Aarhus University, Denmark

**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:** Throughout the past century, Shanghai has had numerous name tags attached to it; like "Paris of the Orient" and "Pearl of China". Images of Shanghai more than any other Chinese city, are bountiful in the west. A visit here therefore, is naturally tainted to some extent, with a preconception of how the city will be. As the largest and most prosperous city in the nation, Shanghai is the economic, financial and cultural center of China, while Beijing is the political heart. And this image of Shanghai as a fast and modern metropolis is certainly the one that most visitors take away.

**Important Dates**

<b>Full paper submission</b>	<b>1 June 2017</b>
<b>Proposals for special sessions (5-6 papers)</b>	<b>1 June 2017</b>
<b>Notification of Acceptance</b>	<b>15 June 2017</b>
<b>Advanced registration (Early Bird)</b>	<b>1 July 2017</b>



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