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2023 IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale

2023, Chengdu, China

3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held in Chengdu, 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: Sichuan University, China

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Topics: Specific topics include, but are not limited to

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: Chéngdū, formerly transliterated as Chengdu, is the capital of Sichuan province, of Southwest China, maintaining sub-provincial administrative status. Chengdu is also one of the most important economic centres, transportation and communication hubs in Western China.

Chengdu is located at the western edge of the Sichuan Basin and sits on the Chengdu Plain; the dominating terrain is plains. Sichuan cuisine is a style of Chinese cuisine originating in the Sichuan Province of southwestern China famed for bold flavors, particularly the pungency and spiciness resulting from liberal use of garlic and chili peppers, as well as the unique flavour of the Sichuan peppercorn. There are many local variations of Sichuan cuisine within Sichuan Province and the Chongqing Municipality, which was politically part of Sichuan until 1997. The four best known regional sub-styles are Chongqing style, Chengdu style, Zigong style, and Buddhist vegetarian style. UNESCO has declared the city of Chengdu to be a city of Gastronomy in 2011, mainly because of its Sichuan style of cooking.



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