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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 2024 in Zhongshan, 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, International Journal of Extreme Manufacturing and Material Today Bio and other SCI/EI journals.

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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: Zhongshan City is a prefecture-level city governed by Guangdong Province, governing 24 towns and situated in the central south of the Pearl River Delta, bordering on Guangzhou to the north and adjacent to Hong Kong and Macao, with a total area of 1800 square kilometers Zhongshan is the hometown of Sun Yat-sen, the great revolutionary forerunner of China, and a famous origin of overseas Chinese found in 87 countries and regions, with over 800,000 people living in Hong Kong, Macao and Taiwan. Zhongshan City has a highly attractive investment environment. The city has a highway traffic mileage of 1077.2 kilometers and a developed highway network based on national highways, truck roads and the Jing-Zhu Expressway; the Guangzhou, Shenzhen, Zhuhai, Hong Kong and Macao airports are within the radius of 90 kilometers; the city is accessible to all parts of China by railway via Guangzhou. In recent years, Zhongshan City has been known as "National Leading City in Civilized City Building", "National Civilized City" and "Civilized City of Guangdong Province", and was awarded the "Habitat Prize" by the UN in 1997.



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