

Honorary Chair:
General Chairs:

William I. Milne (UK)
Dawei Zhang (CN)
Yanling Tian (UK)
Huadong Yu (CN)
Sergej Fatikow (DE)
Zuobin Wang (CN)
Fujun Wang (CN)
Weiguo Gao (CN)
Houjun Qi (CN)
Yanling Tian (UK)
Zhankun Weng (CN)
Zhipeng Wei (CN)
Mingdong Dong (DK)

Founding Chairs:

Local Committee Chairs:

Publication Chairs:

Program Chair:

Standing Committee:

Hongsoo Choi (KR)
Andreas Dietzel (DE)
Mingdong Dong (DK)
Yoshio Hayasaki (JP)
Pasi Kallio (FI)
Yi-Kuen Lee (HK)
Bernard Legrand (FR)
Tie Li (CN)
Lei Liu (CN)
Lianqing Liu (CN)

Xinyu Liu (CA)
Carsten Maple (UK)
Sylvain Martel (CA)
Stéphane Rénier (FR)
Yu Sun (CA)
Yanling Tian (CN)
Andrey Turchanin (DE)
Dong-Yol Yang (KR)
John Yeow (CA)
Li Zhang (HK)

Advisory Committee:

Chunli Bai (CN)
Karl Bähringer (US)
Peter Bryanston-Cross (UK)
Nicolas Chaillet (FR)
Shuo Hung Chang (TW)
Hyungsook Cho (KR)
Harald Fuchs (DE)
Toshio Fukuda (JP)
Shuxiang Guo (JP)
Jianguo Han (CN)
Huilin Jiang (CN)
Sukhan Lee (KR)
Tongbao Li (CN)

Wen-Jung Li (HK)
Song-Hao Liu (CN)
Bingheng Lu (CN)
Bill Milne (UK)
Brad Nelson (CH)
Markus Pessa (FI)
Guoquan Shi (CN)
Zhongqun Tian (CN)
Din Ping Tsai (TW)
Jia-Qi Wang (CN)
Yuelin Wang (CN)
Ning Xi (US)
Dong-Yol Yang (KR)

Program Committee:

Nitin Afzalpurkar (TH)
Gursel Alici (AU)
Wei Tech Ang (SG)
Fumihito Arai (JP)
Karl Bähringer (US)
Aude Bolopion (FR)
Barthelemy Cagneau (FR)
Shoou-Jinn Chang (TW)
Weihai Chen (CN)
Yunfei Chen (CN)
Yu-Bin Chen (TW)
Zhihui Chen (CN)
Po-Wen Chiu (TW)
Gilles Dambrine (FR)
Stefan Dimov (UK)
Ran Ding (CN)
Lixin Dong (US)
Ruxu Du (HK)
Kornel Ehmman (US)
Mady Elbahri (DE)
Chris Ewels (FR)
Vladimir Falko (UK)
Fengzhou Fang (CN)
Antoine Ferreira (FR)
Michaël Gauthier (FR)
L. Jay Guo (US)
Shuxiang Guo (JP)
Sinan Haliyo (FR)
Tawfique Hasan (UK)
Martin Hoffmann (DE)
Zhen Hu (CN)
Han Huang (AU)
Qiang Huang (US)
Wenhao Huang (CN)
Futoshi Iwata (JP)
Baohua Jia (AU)
Yoshiaki Kanamori (JP)
Jayantha Katupitiya (AU)
Tomohiro Kawahara (JP)
Beomjoon Kim (JP)
Viktor Koledov (RU)
Kostadin Kostadinov (BG)
Wai Chiu King Lai (HK)
Pierre Lambert (BE)
Richard Leach (UK)
Jeong-Soo Lee (KR)
Li Li (CN)
Wen Li (US)
Wen-Jung Li (HK)
Yangmin Li (MO)
Liwei Lin (US)
Xianping Liu (UK)
Yan Liu (CN)
Paolo Lugli (DE)
Philippe Lutz (FR)
Bill Milne (UK)
Reza Moheimani (AU)
Michael Molinari (FR)

Lars Montelius (SE)
SangJun Moon (KR)
Rakesh Murthy (US)
Cun-Zheng Ning (US)
Cagdas Onal (US)
Inkyu Park (KR)
Babak Parviz (US)
Changsi Peng (CN)
Xiaogang Peng (CN)
Yves-Alain Peter (CA)
Wilhelm Pflöging (DE)
Valentin Popov (DE)
Manel Puig-Vidal (ES)
Lehua Qi (CN)
Linmao Qian (CN)
Long Que (US)
Ivo Rangelow (DE)
Weibin Rong (CN)
Changhai Ru (CN)
Mariaana Savia (FI)
Minoru Seki (JP)
Yajing Shen (HK)
Wen-Pin Shih (TW)
Bijan Shirinzadeh (AU)
Albert Sill (DE)
Metin Sitti (US)
Santiago Solares (US)
Young Jae Song (KR)
Zhengxun Song (CN)
Zhao Su (SG)
Daoheng Sun (CN)
Dong Sun (HK)
Chunlei Tan (FI)
Hui Tang (CN)
Ivo Utke (CH)
Deqiang Wang (CN)
Fei Wang (CN)
Huiquan Wang (CN)
Qinggang Wang (CN)
Wenhui Wang (CN)
Martin Wegener (DE)
Dongshan Wei (CN)
Zhankun Weng (CN)
Wenming Xi (CN)
Hui Xie (CN)
Hongmei Xu (CN)
Yoko Yamanishi (JP)
Yuen Kuan Yong (AU)
Yong Yue (UK)
Alice Zhang (CN)
Jin Zhang (CN)
John Zhang (US)
Qing Zhang (SG)
Xianmin Zhang (CN)
Ziang Zhang (CN)
Quan Zhou (FI)
Hanxing Zhu (UK)

Secretariat:

Wenjun Li (CN)
Li Lei (CN)
Yingying Song (CN)



2022 IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale

8-12 August 2022, Tianjin, China

3M-NANO is the annual International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale; it will be held on 8-12 August 2022 in Tianjin, 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 3MNANO 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 journal of Nanomanufacturing and Metrology published by Springer Nature, Sensors, 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, Micromachines, International Journal of Extreme Manufacturing and Material Today Bio and other SCI/EI journals.

Organizers: Tianjin University, China

International Research Centre for Nano Handling and Manufacturing of China

Changchun University of Science and Technology, China

Aarhus University, Denmark

University of Warwick, UK

University of Bedfordshire, UK

Ministry of Education Key Laboratory for Cross-Scale Micro and Nano Manufacturing, China

Zhongshan Institute of Changchun University of Science and Technology, China

International Joint Research Center for Nanophotonics and Biophotonics, China

State Key Laboratory of High Power Semiconductor Laser, China

International Society for Nano Manipulation, Manufacturing and Measurement

IEEE Nanotechnology Council

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 nanomagnetism
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: Tianjin, Jin for short, is one of the four centrally administered municipalities. It has become the hub of communications of North China and the gateway of the capital city. It's the largest industrial city in North China and also the important commercial center and largest port city in northern China, which is rich in petroleum, natural gas and sea salt along the coastal area. As one of China's biggest industrial centers, Tianjin has built up an all-round industrial system with machinery, electronics, textiles, chemicals, metallurgy and foodstuff, etc., as its mainstays.

Important Dates

Full paper submission

15 June 2022

Proposals for special sessions (5-6 papers)

15 June 2022



www.3M-NANO.org

3M-NANO@cust.edu.cn

