

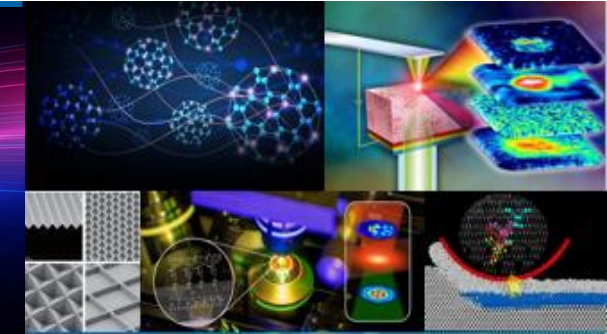
nanoMan2022 and AETS2022

The 8th International Conference on Nanomanufacturing

jointly organized with

the 4th AET Symposium on ACSM and Digital Manufacturing

30 Aug – 1 Sep 2022, online



8th International Conference on Nanomanufacturing and 4th AET Symposium on ACSM and Digital Manufacturing

ORGANISERS: The conference will be jointly organised by the International Society for Nanomanufacturing (ISNM) and the International Academy of Engineering and Technology (AET).

CONFERENCE WEBSITE: www.nanoman-aets2022.com

CONTRACT E-MAILS: isnm_info@163.com or info@aet-ac.org

VENUE: The conference will be held ONLINE due to the travel restriction applied in some countries.

TIME: 9.00-14.00 (Greenwich Mean Time), 30 August to 1 September 2022.



Conference Board

Chair: Prof. F. Z. Fang, China

Member: Prof. K. Cheng, UK

Prof. K. Dawson, Ireland

Prof. K. Ehmann, USA

Prof. W. Gao, Japan

Prof. Z. D. Jiang, China

Prof. R. Leach, UK

Dr. C. Park, Korea

Dr. O. Riemer, Germany

Scientific Committee

Chair: Prof. H. Hansen, Denmark

Co-Chair: Prof. R. Leach, UK

Member: Prof. D. M. Guo, China

Dr. N. Blondiaux, Switzerland

Prof. C. Brecher, Germany

Prof. B. Cheung, HongKong, China

Prof. S. Dong, China

Dr. H. M. Durand, Switzerland

Prof. N. Fang, USA

Prof. H. Haitjema, Belgium

Prof. M. J. Jackson, USA

Mr. B. Kennedy, Ireland

Prof. T. Kuriyagawa, Japan

Prof. L. N. Lacalle, Spain

Dr. K. Liu, Singapore

Dr. J. Michler, Switzerland

Prof. M. N. Morgan, UK

Prof. H. Ohmori, Japan

Prof. F. Pfefferkorn, USA

Prof. J. Sheridan, Ireland

Prof. K. Stanton, Ireland

Prof. W. Yuan, China

Prof. E. Vezzetti, Italy

Mr. B. Walsh, Ireland

Prof. Z. W. Xu, China

Prof. J. W. Yan, Japan

Program Committee

Chair: Prof. Z. D. Jiang, China

Co-Chair: Prof. X. Luo, UK

Member: Prof. E. Brousseau, UK

Prof. X. Chen, UK

Dr. F. Gao, UK

Prof. W. Lin, Japan

Prof. S. W. Kim, Korea

Dr. J. Qian, Belgium

Prof. M. Sealy, USA

Prof. Y. Shen, Taiwan, China

Prof. K. Takamasu, Japan

Prof. Y. B. Wu, China

Prof. W. Wu, USA

Prof. J. Sun, China

Prof. Y. Shimizu, Japan

Prof. G. Tosello, Denmark

Prof. Y. D. Yan, China

Prof. S. M. Yang, China

Organizing Committee

Chair: Dr. J. Zhang, Ireland

Co-Chair: Dr. M. Castelli, Ireland

Member: Dr. W. Chang, UK

Dr. H. Deng, China

Dr. T. Geethapriyan, India

Dr. S. Goel, UK

Dr. R. M. M. Hasan, Bangladesh

Dr. X. H. Li, China

Dr. Q. Liu, UK

Dr. M. Lai, China

Dr. P. Kundu, USA

Dr. C. Musgrave, Ireland

Mr. J. Oliver, Ireland

Mr. L. O'Toole, Ireland

Dr. J. Wang, China

Dr. P. Wang, Ireland

Dr. W. Xie, UK

Dr. N. Yu, UK



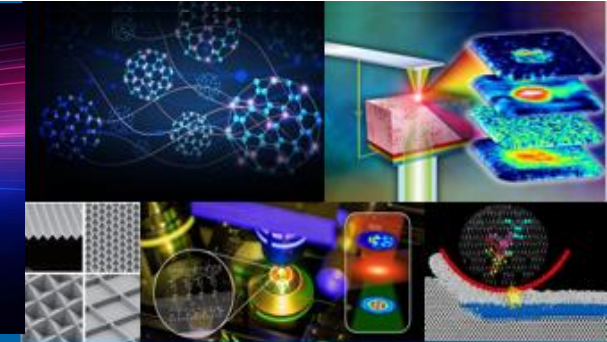
nanoMan2022 and AETS2022

The 8th International Conference on Nanomanufacturing

jointly organized with

the 4th AET Symposium on ACSM and Digital Manufacturing

30 Aug - 1 Sep 2022, online



CALL FOR PAPERS

Nanomanufacturing covers a wide range of manufacturing technologies for enabling nano-scale materials, structures, components, devices and systems to advance scientific discovery and promote innovation in various fields, including nanoelectronics, nanophotonics, nanomaterials, micro/nano optics and quantum optics. Due to continuous shrinking of feature size for nano-products, nanomanufacturing is clearly advancing towards atomic scale precision and to remove, add or transform advanced materials at the atomic and close-to-atomic scale, i.e. towards Atomic and Close-to-atomic Scale Manufacturing (ACSM). There is significant frontier and ongoing research in this area. Meanwhile, a new round of industrial digital revolution is being nurtured worldwide, thanks to breakthroughs in emerging Industry 4.0 technologies.

It is our great pleasure to invite you to the 8th International Conference on Nanomanufacturing (nanoMan2022) joint organized with the 4th AET Symposium on ACSM and Digital Manufacturing (AETS2022), which will be held online from 30 August to 1 September 2022.

AIMS: The aim of the conference is to provide one of the leading international forums for scientists, engineers, scholars and students to exchange latest developments, research findings and visions in the fields of nanomanufacturing, ACSM and digital manufacturing. It also aims to provide a platform to foster R&D collaborations amongst academia, research institutions, and industries where joint research programmes can be formulated for mutual benefit.

SCOPE: The scope of conference covers a broad spectrum of area with multi-disciplinary interests in the fields of nanomanufacturing, ACSM and digital manufacturing, ranging from fundamental research to real-world application. The conference welcomes the submission of papers in the nature of original research and technical review from the following, but not limited to, areas:

- Advanced Nanomaterials
- Atomic and Close-to-atomic Scale Manufacturing (ACSM)
- Digital Manufacturing
- Laser/FIB Micro/Nano Materials Processing

- High Precision Machines
- Micro/nano Optics and Photonics
- Metrology and Characterization
- Micro-featured Surfaces & Surface Modification
- Micro/Nanofforming
- Micro/Nanomachining
- Modeling & Simulation at the Micro/Nano/Atomic Scale
- Nano/Microsystems & Auto-assembly
- Micro/Nano-electromechanical Systems
- Optical Machining & Measurement
- Process Monitoring and Quality Control
- Quantum Optics
- Ultra-precision Machining
- Other Technologies Associated with Manufacturing

REGISTRATION:

Early-bird (before 20 July 2022)

- General delegate €160
- ISNM/AET members/Student €120

Regular registration (after 20 July 2022)

- General delegate €200;
- ISNM/AET members/Student €160

SUBMISSIONS: Paper template and submission weblink are available on conference website.

PUBLICATIONS: All papers will be subjected to a full review process and all the accepted papers will be included in the conference proceedings. Authors of selected papers will be invited to submit extended article version to Journal of Nanomanufacturing and Metrology (Springer).

BEST PAPER AWARDS: All accepted papers are eligible for Best Paper Awards. This will be assessed purely on their quality in terms of academic significance, research impact and novelty. The awards will be announced at conference closing ceremony and the award certificates will be presented to the authors by e-mails.

KEY DATES:

- Submission of full paper: 30 May 2022
- Notification of acceptance: 30 June 2022
- Camera-ready copy due: 30 July 2022

REGISTER

