

2024 International Symposium on Advanced Manufacturing Technologies (ISAMT2024)

<https://am.sysu.edu.cn/hzjl/gjil/index.htm>

October 18-20, 2024, Sun Yat-sen University (SYSU), Shenzhen, P.R. CHINA

Introduction

The 2024 International Symposium on Advanced Manufacturing Technologies (ISAMT2024) is scheduled to take place from 18th to 20th October 2024, on the Shenzhen Campus at Sun Yat-sen University, China. ISAMT2024 aims to convene experts, scholars, and practitioners from across the globe to exchange ideas and delve into the latest advancements, challenges, and opportunities in the realm of advanced manufacturing. As we traverse an era of rapid technological evolution, the Symposium serves as a pivotal platform for exploring ground-breaking research and nurturing collaborations that drive the ongoing advancement of advanced manufacturing.

Areas of main interest

The Symposium will focus on the following areas pertinent to the Symposium theme, while also embracing topics beyond these confines:

- Ultraprecision machining
- Deformation and removal of brittle materials
- Laser-assisted machining process
- Hybrid materials processing
- Additive manufacturing
- Micro/nano manufacturing
- Robot assisted machining
- Artificial intelligence in manufacturing
- Digital twins in manufacturing
- Modelling and simulation of manufacturing processes
- Eco-machining
- Surface integrity and characterisation in manufacturing
- In process measurement and monitoring
- Metrology in manufacturing

Plenary speakers



Dongming Guo

Academician, Chinese Academy of Engineering
Vice President, Chinese Mechanical Engineering Society
Professor, Dalian University of Technology

Plenary speech: High performance manufacturing



Xuedong Chen

Academician, Chinese Academy of Engineering
Professor, Huazhong University of Science and Technology

Plenary speech: Research on key technologies in manufacturing equipment with nanometer precision



Yibing Cheng

Fellow, Australian Academy of Technological Sciences and Engineering
Vice Chairman, Foshan Xianhu Laboratory Committee
Professor, Wuhan University of Technology

Plenary speech: Zero-carbon combustion technologies for high-temperature manufacturing and their applications



Xipeng Xu

Distinguished Young Scholar, National Natural Science Foundation of China
Chairman, Chinese Committee for Abrasive Technology
Professor, Huaqiao University

Plenary speech: Mechanism and technology of high efficiency removal of diamond materials

Conference venue

- SYSU Academic Villa, Shenzhen Campus
- Location: East Gate of SYSU, Shenzhen Campus, No. 66 Gongchang Road, Guangming District, Shenzhen, Guangdong, China.
- As a supporting facility for teaching and research at the Shenzhen campus, SYSU academic villa provides conference, accommodation, catering and other services for internal and external academic communication activities of Sun Yat sen University.

The total construction area is 44803.36 m², with 19 floors above ground, 2 underground floors, and 3 podium floors. The 1st to 3rd floors are the hotel lobby, multifunctional hall, conference rooms, Chinese restaurant and Western restaurant. Guestrooms are on 4th floor and above.

It has 6 conference rooms equipped with advanced conference facilities, and the room size can be flexibly combined and changed between 100 and 1000 m², suitable for business meetings, symposiums, product launches, and social banquets. The hotel has 326 stylish and well-equipped luxury rooms and suites for all guests.



会议室 MEETING ROOM
此会议室可灵活组合使用，可根据不同会议需求进行空间调整。

Abstract submission

- An abstract must be submitted through the email:
isamt2024@mail.sysu.edu.cn.
- The abstract template can be found from the conference website:
<https://am.sysu.edu.cn/hzjl/gjil/index.htm>.

Important Date

- Abstract submission by **1st August 2024**
- Abstract acceptance by **15th August 2024**
- Early bird registration by **31st August 2024**
- Conference date: **18th-20th October 2024**

Conference email: isamt2024@mail.sysu.edu.cn

Telephone: +86 0755 23262669

Registration link: <https://www.wjx.top/vm/QJcV2Nn.aspx>

Registration QR code:



Conference organizer

Sun Yat-sen University

Conference operator

School of Advanced Manufacturing, Sun Yat-sen University

Conference co-organizer

China Shenzhen Machinery Association

Symposium Chair

Han Huang Sun Yat-sen University

Advisory Committee

Chair:	Dongming Guo	Dalian University of Technology
Co-chair:	Zhenyuan Jia	Dalian University of Technology
	Zhuangde Jiang	Xian Jiaotong University

Advisory Committee Members

Xuedong Chen	Huazhong University of Science and Technology
Yibing Cheng	Wuhan University of Technology
Wei Gao	Tohoku University (Japan)
Huanting Wang	Monash University (Australia)
Liangchi Zhang	Southern University of Science and Technology
Brian Lawn	National Institute of Standards and Technology (USA)
Marian Wiercigroch	University of Aberdeen (United Kingdom)
Ross McAree	The University of Queensland (Australia)

Scientific Committee

Chair:	Xipeng Xu	Huaqiao University
Co-chair:	Fengzhou Fang	Tianjin University/University College Dublin (Ireland)
	Chengyong Wang	Guangdong University of Technology

Scientific Committee Members

Ming Chen	Shanghai Jiaotong University
Xiaoqi Chen	South China University of Technology
Kai Cheng	Brunel University (United Kingdom)
Songlin Ding	RMIT University (Australia)
Zhigang Dong	Dalian University of Technology
Mingwang Fu	Hong Kong Polytechnic University
Hang Gao	Dalian University of Technology
Chuanzhen Huang	Yanshan University
Hui Huang	Huaqiao University
Zhengyi Jiang	University of Wollongong (Australia)
Renke Kang	Dalian University of Technology
Bin Lin	Tianjin University
Tianran Lin	Qingdao University of Technology
Kui Liu	Singapore Institute of Manufacturing Technology (Singapore)
Zhanqiang Liu	Shandong University
Zhongxiao Peng	University of New South Wales (Australia)
Yong Tang	Shenzhen University
Jun Wang	Guangdong University of Technology
Cuie Wen	RMIT University (Australia)
Yongbo Wu	Southern University of Science and Technology
Jianfeng Xu	Huazhong University of Science and Technology
Jiuhua Xu	Nanjing University of Aeronautics and Aeronautics
Jiawang Yan	Keio University (Japan)
Qiusheng Yan	Guangdong University of Technology
Shuming Yang	Xian Jiaotong University Yingxue
Yingxue Yao	Harbin Institute of Technology
Shaohui Yin	Hunan University
Tianbiao Yu	Northeastern University
Julong Yuan	Zhejiang University of Technology
Bi Zhang	Southern University of Science and Technology

Feihu Zhang	Harbin Institute of Technology
Laichang Zhang	Edith Cowen University (Australia)
Benny C.F. Zhang	Hong Kong Polytechnic University
Bo Zhao	Henan Polytechnic University
Hongyu Zheng	Shandong University of Technology
Hitoshi Ohmori	RIKEN (Japan)
Jun Shimizu	Ibaraki University (Japan)
Martin Veidt	The University of Queensland (Australia)
Sergej Fatikow	Oldenburg University (German)

Organising Committee

Chair:	Libo Zhou	Sun Yat-sen University
Co-chair:	Beichen Ding	Sun Yat-sen University

Organising Committee Members

Hailong Cui	International Journal of Extreme Manufacturing
Shang Gao	Dalian University of Technology
Wei Hang	Zhejiang University of Technology
Shuiquan Huang	Yanshan University
Lelun Jiang	Sun Yat-sen University
Chengwei Kang	Xian Jiaotong University
Chen Li	Harbin Institute of Technology
Zhirong Liao	Nottingham University (United Kingdom)
Mingyuan Lu	The University of Queensland (Australia)
Cong Mao	Changsha University of Technology
Dekui Mu	Huaqiao University
Wen Shao	Central South University
Chunjin Wang	Hong Kong Polytechnic University
Yueqin Wu	Huaqiao University
Peng Yao	Shandong University
Jianing Wu	Sun Yat-sen University
Yu Yin	Sun Yat-sen University
Chuan Guo	Sun Yat-sen University
Hongchao Zhao	Sun Yat-sen University
Shudong Yu	Sun Yat-sen University
Jianshe Feng	Sun Yat-sen University
Huapan Xiao	Sun Yat-sen University
Ruiqiu Wang	Sun Yat-sen University
Zhangmin Sun	Sun Yat-sen University
Ning Li	Sun Yat-sen University
Peiqing Zhou	Sun Yat-sen University
Yaxuan Li	Sun Yat-sen University
Yao Yao	Sun Yat-sen University