

2025（第二届）国际先进材料精密成形大会

2025 (2th) International Conference on Advanced Materials Netshape Forming (ICAMNF 2025)

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Conference Theme: Precision, Intelligence, Green, Low Carbon

Chengdu, Sichuan

September 19-22, 2025

The National "14th Five-Year Plan for Smart Manufacturing Development" explicitly emphasizes the need to strengthen research and development of key core technologies and break through advanced process technologies, including additive manufacturing, ultra-precision machining, and near-net-shape forming.

Precision forming (also termed near-net-shape forming) refers to a manufacturing technology where components meet or closely approximate the required precision specifications upon completion of the forming process. As a minimal or zero-allowance manufacturing technique, it harnesses new materials, innovative equipment, cutting-edge technology, and computer-aided process design to achieve high efficiency, superior performance, and cost-effectiveness. This technology serves as a critical foundation for advancing the manufacturing industry.

To optimize the utilization of precision forming technology and maximize its contribution to socio-economic development, scientists globally have continuously driven innovation, yielding significant research breakthroughs and a series of remarkable achievements. In response, the Southwest Technology and Engineering Research Institute of China South Industries Group Corporation has proactively established China's first international academic conference platform dedicated to "Advanced Material Precision Forming." This initiative aims to provide a high-end global exchange platform for experts in advanced material precision forming, foster academic collaboration and industrial synergy, and empower the development of "new quality productive forces."

Co-hosted by the Editorial Department of *Journal of Netshape Forming Engineering*, Southwest Institute of Technology and Engineering, Chongqing University, Sichuan University, *Shanghai Jiao Tong University*, *Northwestern Polytechnical*

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University, Harbin Institute of Technology, South China University of Technology and other domestic research institutes and universities, the conference is scheduled to take place in Chengdu from September 19 to 22, 2025. Renowned international experts and scholars will be invited to deliver keynote addresses. Additionally, scholars and industry leaders from around the world will convene to engage in extensive and in-depth discussions on the latest research advancements and industry trends in the forming mechanisms and processing technologies of advanced materials—such as magnesium alloys, aluminum alloys, titanium alloys, steel, copper alloys, amorphous and high-entropy alloys, composite materials, and polymers. The objective is to promote the high-quality development of related disciplines in advanced material precision forming. Researchers, engineers, and professionals in relevant fields are cordially invited to attend the conference and share their expertise.

Editorial Department of *Journal of Netshape Forming Engineering*

May 2025



Organizational Structure

(I) Sponsor (in random order)

Editorial Department of *Journal of Netshape Forming Engineering*

(II) Joint undertakers (in random order):

Southwest Institute of Technology and Engineering

Harbin Institute of Technology

Shanghai Jiao Tong University

South China University of Technology

Chongqing University

State Key Laboratory of Precision Manufacturing for Extreme Service Performance
of Central South University

State Key Laboratory of Advanced Brazing Filler Metals and Technology of China
Academy of Machinery Zhengzhou Research Institute of Mechanical Engineering Co.,
Ltd.

Henan Academy of Sciences

Henan University of Science and Technology

North China University of Water Resources and Electric Power

Hebei University of Science and Technology

Xi'an University of Technology

Hubei University of Automotive Technology

Ningbo University

Chongqing University of Arts and Sciences

Wuhan University of Technology

Sichuan Provincial Engineering Research Center of Functional Development and
Application of High-Performance Special Textile Materials

Institute of Metal Research, Chinese Academy of Sciences

Tsinghua University

Northwestern Polytechnical University

Beijing University of Technology

Southwest University

Shenzhen University

Northwest Institute for Non-Ferrous Metal Research

Taiyuan University of Science and Technology

Chengdu Textile College

Chongqing Society for Corrosion and Protection

Chongqing Hongzhixin Information Technology Co., Ltd

(III) Co-organizer

Sichuan Association for Additive Manufacturing

(IV) Supporting media

Netshape Forming Engineering

Surface Technology (EI)

Equipment Environmental Engineering

Packaging Engineering

Surface Science and Technology

Kegong Chuangxiang Convergence Media Platform

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Mao Xinping, Academician of Chinese Academy of Engineering

Pan Fusheng, Academician of Chinese Academy of Engineering

(II) Chairman

Pan Fusheng

(III) Executive chairman

Wu Hulin

Academic Forum of Themes

Theme forum 1:

Data-driven high strength steel forming and manufacturing

Convener organization: Shanghai Jiao Tong University, Hebei University of Science and Technology

Chairman: Li Shuhui, Zhang Shuangjie

Theme forum 2:

Preparation and Forming Processing of High Performance Al-Alloys

Convener organization: Central South University, Hubei University of Automotive Technology

Chairman: Zhan Lihua, Zhang Hngxia

Theme forum 3:

Advanced High-Temperature Alloys and Precision Forming Technology

Convener organization: Shanghai Jiao Tong University, University of Science and Technology Beijing

Chairman: Zhu Guoliang, Yao Zhihao

Theme forum 4:

Advanced Copper Based Material Preparation and Processing Technology

Convener organization: Henan Academy of Sciences, Henan University of Science and Technology, Institute of Metal Research, Chinese Academy of Sciences

Chairman: Song Kexing, Zhang Shihong

Theme forum 5:

Processing and Application of Amorphous/High Entropy Alloys

Convener organization: Shenzhen University, Huazhong University of Science and Technology

Chairman: Ma Jiang, Zhang Cheng

Theme forum 6:

Precision Forming Technology for Welding Materials

Convener organization: State Key Laboratory of Advanced Brazing Filler Metals and Technology of China Academy of Machinery Zhengzhou Research Institute of Mechanical Engineering Co., Ltd.

Chairman: Long Weimin

Theme forum 7:

Additive Manufacturing Technology

Convener organization: To be determined

Chairman: To be determined

Theme forum 8:

Precision Forming and Intelligent Manufacturing of Ti-Alloys

Convener organization: Northwestern Polytechnical University, Northwest Institute
for Non-Ferrous Metal Research

Chairman: Li Heng, Xin Shewei

Theme forum 9:

Advanced Polymer Manufacturing

Convener organization: South China University of Technology

Chairman: Feng Yanhong

Theme forum 10:

Precision Forming of New Materials and High Performance Manufacturing

Convener organization: Tsinghua University, Henan University of Science and
Technology, North China University of Water Resources and Electric Power

Chairman: Wang Xingxing, Zhang Yi, Shi Qingyu

Theme forum 11:

Fabrication and Processing of Refractory Metals and Hard Materials

Convener organization: Beijing University of Technology, Central South University

Chairman: Song Xiaoyan, Wang Haibin, Liu Yong

Theme forum 12:

Processing and Plastic Deformation of Biomedical Metals

Convener organization: Chongqing University, Southwest University

Chairman: Chen Xianhua

Vice chairman: She Jia, Guo Shengfeng

Theme forum 13:

Composite Material Forming/Molding

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Convener organization: Xi'an University of Technology, Ningbo University,
Chongqing University of Arts and Sciences

Chairman: Li Shufeng, Peng Wenfei, Ruan Haibo

Theme forum 14:

Advanced Magnesium Alloy Forming/Shaping

Convener organization: Taiyuan University of Science and Technology, Harbin
Institute of Technology

Chairman: Jia Weitao, Wang Xiaojun

Theme forum 15:

Precision Casting Technology

Convener organization: Harbin Institute of Technology

Chairman: Chen Ruirun

Information on registration charge and hotel**(I) Sign up for conference**

Please log in to the conference website to sign up for conference.

Website: <https://icamnf2025.scimeeting.cn/cn/web/index/31654>

(II) Conference charge

Delegate type	Advance registration (before September 5, 2025)	On-site registration
Ordinary delegate	¥2200	¥2500
Student delegate	¥1600	¥1900

(III) Payment mode

Both advance remittance and on-site payment are acceptable.

1. Advance remittance: Please fill in the registration form and remit to the following account with the note of "High-end Equipment Forming Conference+Name of Delegate".

Payee: Chongqing Hongzhixin Information Technology Co., Ltd.

Opening bank: Yugao Branch of Bank of China in Chongqing Pilot Free Trade
Zone

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Account No.: 1088 0294 1586

2. On-site payment: Please prepare the billing information in advance, and submit it to the conference group when paying.

(IV) Hotel information

Howard Johnson Agile Plaza Chengdu

(V) Remarks

1. Chongqing Hongzhixin Information Technology Co., Ltd. is responsible for issuing VAT invoices for meeting affair charges of the conference.
2. The accommodation will be arranged uniformly at your own expense.

(VI) Key dates

Conference data: September 19-22, 2025

Advance registration deadline: September 5, 2025

Conference registration date: September 19, 2025

(VII) Important descriptions

This conference is a non-secrete academic exchange conference. Conference reports and exchange contents should be free from state secrets, work secrets or business secrets.

(VIII) Contact and Address

Ma Shida: 13220344923

Cheng Ye: 13509417802

Liang Aifeng: 15023087337

Tel: 023-68679125 (Editorial Department of *Netshape Forming Engineering*)