



# The 75<sup>th</sup> WORLD FOUNDRY CONGRESS

2024.10.25-30

DEYANG · CHINA

DEVELOPING FOUNDRY

[www.75wfc.com](http://www.75wfc.com)



The World  
Foundry  
Organization



## Post Congress Report



# The 75<sup>th</sup> WORLD DEVELOPING FOUNDRY FOUNDRY CONGRESS

## The 75<sup>th</sup> World Foundry Congress



About **1,500** delegates from **32** countries and regions attended the congress



**9** high-level plenary speeches and **229** speeches given in **18** sub-forums from **26** countries and regions



**123** exhibitors and over **3,000** trade visitors

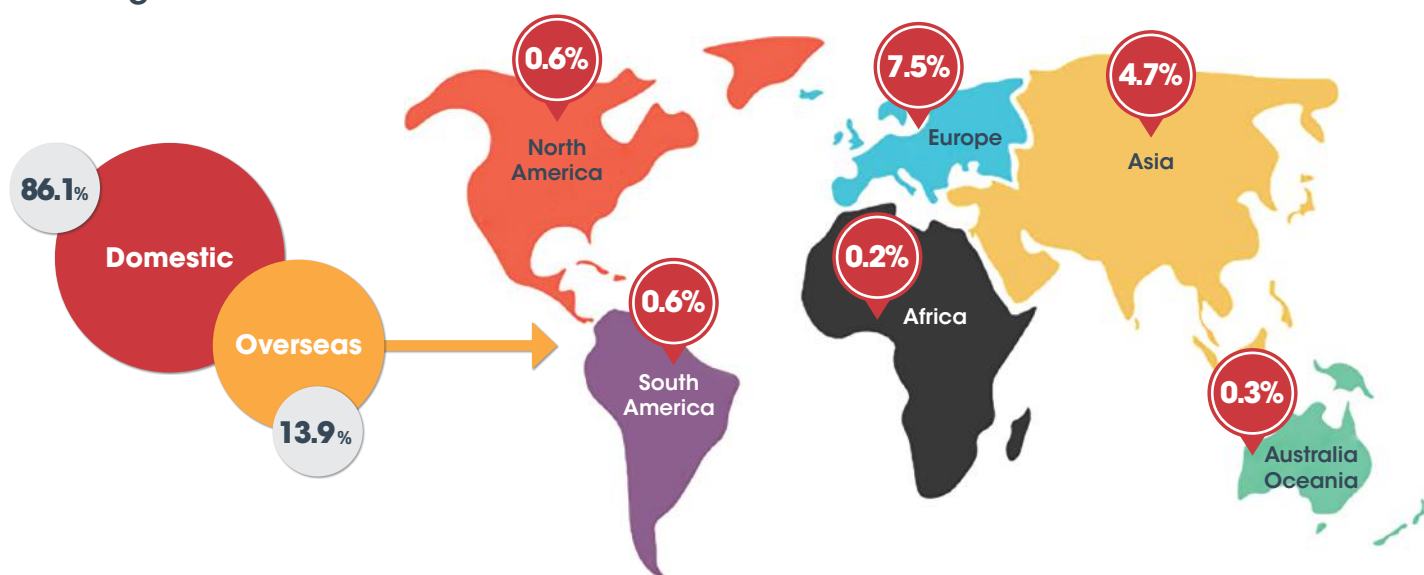


## Facts and Figures

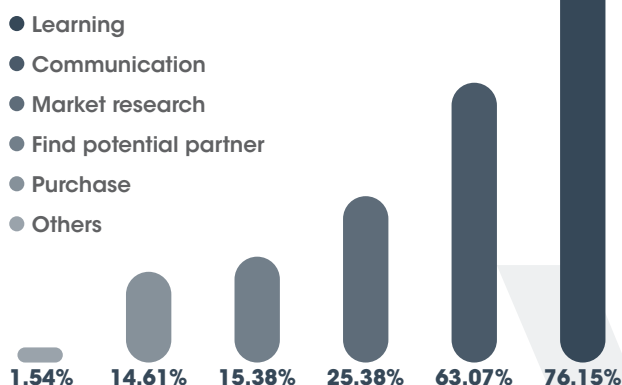
### Delegate Analysis

The congress attracted more than 1,500 prominent experts, scholars, and elites in the foundry industry and related areas from 32 countries and regions worldwide, including China, Poland, Turkey, Spain, the United States, Japan, the United Kingdom, Germany, Slovakia, Slovenia, Austria, Denmark, India, Australia, Belarus, Hong Kong (China), France, Norway, Nigeria, Brazil, Italy, South Korea, Romania, Sweden, the Netherlands, Singapore, Vietnam, Thailand, Malaysia, Switzerland, Finland, and Pakistan. Participants gathered to exchange ideas, deeply discuss the development trends and hot topics in the foundry industry, share research findings and advanced technologies, and foster international cooperation and exchanges.

### Delegate Distribution



### Purpose of Participation



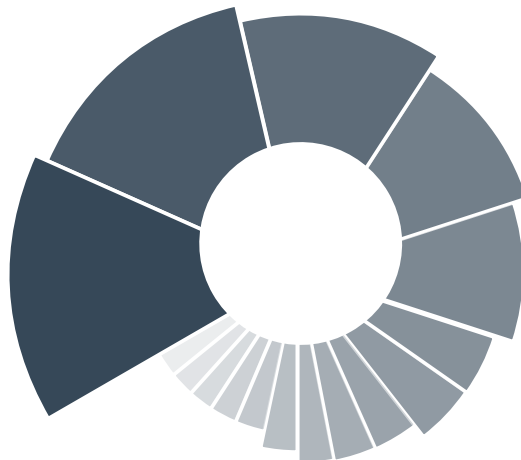
### Speaker Analysis

The congress organized 9 high-level plenary speeches, and 18 wonderful sub-forums with a total of 229 presentations, given by speakers from 26 countries and regions, including China, Finland, Poland, Japan, Slovenia, Italy, Brazil, Norway, Denmark, the United States, Austria, Hong Kong (China), France, Germany, Australia, Switzerland, Spain, Singapore, the United Kingdom, Pakistan, Slovakia, Belarus, India, Romania, and the Netherlands.

## Exhibitor Analysis

### Exhibitor Category (Multiple Choice)

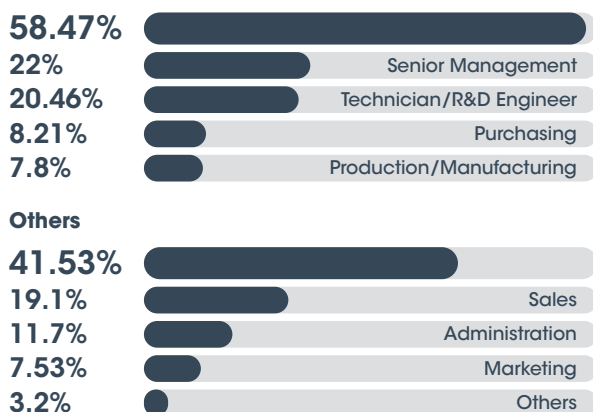
- Auxiliaries **31%**
- Metal casting parts **30%**
- Moulding materials **26%**
- Raw materials **22%**
- Casting machine **20%**
- Casting machine parts **9.8%**
- Industry service **9.8%**
- Detection equipment **7.5%**
- Rapid prototyping/rapid tooling **7.4%**
- Furnaces and accessories **6.5%**
- Peripheral equipment **6.5%**
- Surface technology **6.5%**
- Software **5.7%**
- Moulds and accessories **5%**
- CNC After treatment of castings/  
CNC treatment **4.9%**
- Environmental protection instrument  
and safety equipment **4.9%**



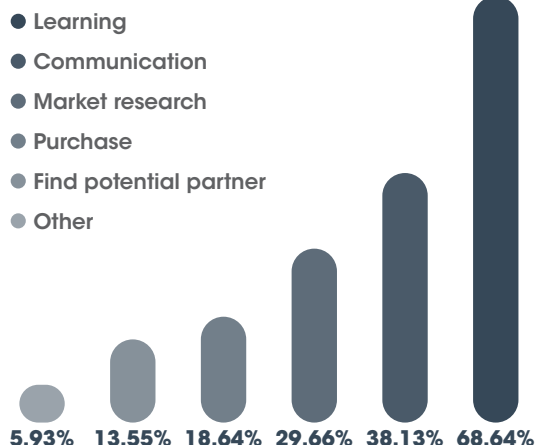
## Trade Visitors Analysis

### Job Functions

#### Visitors Participate in Purchase Decision-making



### Purpose of Visit



## Exhibitor List



## Invited Speakers

### Science and Technology

Cast Iron and Cast Steel, Non-ferrous Alloy, High Entropy Alloy, High-temperature Alloy, Metal Matrix Composite, Functional Materials, Materials Genome Engineering, etc.

**Yunfeng Yang (Finland)**

*Foshan Fenghe PSF Technology Limited*

**Enxian Xu (China)**

*CITIC Heavy Industries Co., Ltd.*

**Marcin Górny (Poland)**

*AGH University of Krakow*

**Kerui Li (China)**

*Zhengzhou Research Institute of Mechanical Engineering Co., Ltd.*

**Mitja Petrič (Slovenia)**

*University of Ljubljana*

**Ping Lin (China)**

*Erzhong (Deyang) Heavy Equipment Co., Ltd.*

**Guohua Wu (China)**

*Shanghai Jiao Tong University*

**Christoph Schendera (Germany)**

*European Research Association for Magnesium e.V.*

**Hengcheng Liao (China)**

*Southeast University*

**Xiaobo Chen (Australia)**

*Royal Melbourne Institute of Technology University*

**Ruirun Chen (China)**

*Harbin Institute of Technology*

**Ibán Vicario Gómez (Spain)**

*Tecnalia Research & Innovation (TECNALIA)*

**Yuan Wu (China)**

*University of Science and Technology Beijing*

**Wanqi Jie (China)**

*Northwestern Polytechnical University*

**Jianzheng Guo (USA)**

*Central South University*

**Christian Kneissl (Austria)**

*Austrian Foundry Research Institute*

**Jiuzhou Zhao (China)**

*Institute of Metal Research, Chinese Academy of Sciences*

**Jingpei Xie (China)**

*Henan University of Science and Technology*

**Ming Chen (Denmark)**

*Technical University of Denmark*

**Chaoling Wu (China)**

*Sichuan University*

**Jiehua Li (Austria)**

*Montanuniversität Leoben*

**Susana Mendez Boveda (Spain)**

*AZTERLAN*

**Zhiqiang Han (China)**

*Tsinghua University*

**Yooseob Song (USA)**

*University of Alabama in Huntsville*

### Engineering Application

Die-casting, Precision Casting, Additive Manufacturing, Digital Intelligent Casting, Key Castings Manufacturing for Rail Transportation, Moulding Material, Green and Low-carbon Development, etc.

**Qigui Wang (USA)**

*General Motors LLC*

**Liming Peng (China)**

*Light Alloy Net Forming National Engineering Research Center-LAF-NERC  
Shanghai Jiao Tong University*

**Eitaro Koya (Japan)**

*R&S Cast Solutions*

**Maria Pammer (Austria)**

*Montanuniversität Leoben*

**Jufu Jiang (China)**

*Harbin Institute of Technology*

**Xixi Dong (China)**

*Nanjing University of Aeronautics and Astronautics*

**Yuzeng Chen (China)**

*Northwestern Polytechnical University*

**Haidong Zhao (China)**

*South China University of Technology*

**Jun Wang (China)**

*Shanghai Jiao Tong University*

**Xianfei Ding (China)**

*Beijing Institute of Aeronautical Materials, AECC*

**Kehui Hu (China)**

*Tsinghua University*

**Ingo Rudolf Ederer (Germany)**

*Voxeljet AG*

**Shouxun Ji (UK)**

*Brunel University London*

**Da Shu (China)**

*Shanghai Jiao Tong University*

**Yury Nikalaichyk (Belarus)**

*Belarusian National Technical University (BNTU), Association of Foundrymen and Metallurgists of Belarus (Alim)*

**Mustafa Ata (Germany)**

*Continental Automotive Technologies GmbH*

**Daniel Liang (Australia)**

*Commonwealth Scientific and Industrial Research Organisation*

**Shaohua Xia (China)**

*CRRC Qishuyan Locomotive&Rolling Stock Research Institute Co., Ltd.*

**Ian Andrews (UK)**

*Capital Refractories*

**Guoxiang Wang (China)**

*Shanghai Jiao Tong University*

**Ayax Rangel (USA)**

*Vesuvius USA-Cleveland*

**Zitian Fan (China)**

*Huazhong University of Science and Technology*

**Angelika Kmita (Poland)**

*AGH University of Krakow*

**Morten Bechlund (Denmark)**

*Norican Group*

**Zhipeng Liu (The Netherlands)**

*Gemco Cast Metal Technology B.V*

**Nuo Xu (China)**

*Tianjin Heavy Industries Research and Development Company*

### 2024 China Foundry Congress

Rare Earth Materials, Lost Foam Casting, Moulding Material, Cast Iron and Cast Steel, etc.

**Wenxin Hu (China)**

*Baotou Research Institute of Rare Earths*

**Wenming Jiang (China)**

*Huazhong University of Science and Technology*

**Bobo Li (China)**

*Luoyang Shuangrui Precision Casting Titanium Industry Co., Ltd.*

**Guangyu Li (China)**

*Dalian University of Technology*

**Shigen Zhu (China)**

*Donghua University*

**Jinhai Liu (China)**

*Hebei University of Technology*



## The 75<sup>th</sup> World Foundry Congress Successfully Held in Deyang, China

From October 25 to 30, 2024, the 75th World Foundry Congress ("WFC 2024" for short) hosted by the World Foundry Organization (WFO) was successfully held in Wende International Convention and Exhibition Center, Deyang, China. The theme of this WFC was "Developing Foundry". This is the third time that China has hosted the World Foundry Congress after the 61st WFC (held in Beijing in 1995) and 69th WFC (held in Hangzhou in 2010).

WFC 2024 attracted more than 1,500 delegates from 32 countries and regions, and 238 experts, scholars and enterprise delegates in the foundry industry made wonderful speeches. During WFC 2024, a total of 459

extended abstracts were submitted along with 45 poster presentations. 123 enterprises and scientific research institutions exhibited advanced technologies, materials, equipment and castings. At WFC 2024, innovative technological achievements and best papers were selected, and numerous technical achievements were unveiled and exchanged. A number of enterprises and organizations conducted special technical exchanges and cooperation negotiations. Various simultaneous events had also facilitated the technical exchanges, achievement sharing and cooperation negotiations for delegates around the world.



Scene of WFC 2024

### A Great Event in the Foundry Industry Held in Deyang

On the morning of October 26, 2024, the 75th World Foundry Congress kicked off in Deyang Wende International Convention and Exhibition Center. Jose Javier Gonzalez, Secretary-General of the Executive Committee of WFO, presided over the opening ceremony. On behalf of the Executive Committee, he extended a warm welcome to Chinese and foreign delegates attending this meeting and also introduced the guests participating in this meeting: Guangqiang Liu, Deputy Secretary of the CPC Deyang Municipal Committee and Mayor of Deyang City; Wenjiang Ding, Chairman of WFC Academic Committee, Academician of Chinese Academy of Engineering and Professor of Shanghai Jiao Tong University; Fusheng Pan, Academician of Chinese Academy of Engineering and Professor of Chongqing University; Yanchun Lou, Chairman of WFO Executive Committee, Chief Scientist of China Academy of Machinery Science & Technology Group Co., Ltd. and Director of National Key Laboratory of High-end Equipment Casting Technology; Carsten Kuhlitz, Former President of WFO; Rafał Dańko, Vice President of WFO; Dong Hongbiao,

Academician of the Royal Academy of Engineering of the United Kingdom and Tenured Professor of the University of Leicester; Alan Aihua Luo, Academician of the National Academy of Engineering of the United States and Director of the Lightweight Materials and Manufacturing Research Laboratory of the Ohio State University; Huasheng Xie, Chairman of the Organizing Committee of the 75th World Foundry Congress and Chairman of China Academy of





# The 75<sup>th</sup> WORLD FOUNDRY CONGRESS 第75届世界铸造会议

2024 10.25-30

中国·德阳 | DEYANG · CHINA

DEVELOPING FOUNDRY

Machinery Shenyang Research Institute of Foundry; Libo Zhang, President of China Foundry Association; KIMURA HIROYOSHI, former President of WFO; Xabier González Azpiri, Eur Ing Andrew Turner and Mehmet R. Özalp, Executive Committee Members of WFO; Qijie Zhai, Xiaoguang Yuan, Shigen Zhu, Shoumei Xiong, Yanqing Su, Zitian Fan, Wei Li, Guohua Wu, Jinshan Li, Zhiyong Zhang, Zekun Yang, and Yong Liu, Vice Chairmen of the Foundry Branches of the Chinese Mechanical Engineering Society; Anyun He, General Manager of Guangda Dongqi New Material Co., Ltd.; Tao Jiang, Chairman of China Erzhong (Deyang) Heavy Equipment Co., Ltd.

Academician Ding Wenjiang delivered a speech on behalf of the Organizing Committee and Academic Committee of this WFC. He introduced the organization construction, international cooperation, report invitation and forum setting of this WFC. He said that China was the largest producer of castings, and its foundry technologies and equipment were constantly improving and iterating. The quality of casting products had been steadily improved, especially in industrial application fields such as aerospace, automobile, rail transit, machine tools, electrical energy equipment and internal combustion engines. A number of high-quality and highly specialized foundry enterprises had emerged, driving the progress of foundry technology in China and accelerating global foundry integration. He sincerely invited colleagues in the casting industry from all over the world to have a view of China's foundry industry, take field visits and conduct in-

depth exchanges and cooperation, so as to jointly promote the development of China's and even global foundry industries and the progress of foundry technology.

Liu Guangqiang, on behalf of the CPC Deyang Municipal Committee and Deyang Municipal People's Government, extended congratulations to the successful opening of this WFC, expressed his warm welcome to guests from the world, and thanked them for their long-term concern and support for the development of Deyang. He welcomed experts, scholars and enterprises to Deyang for exchanges, guidance, investment and business development to give the foundry industry a magnificent and bright future.

Chairman of WFO Executive Committee, Lou Yanchun, on behalf of the Executive Committee of WFO, expressed his heartfelt thanks to Deyang Municipal People's Government, foundry organizations, universities and enterprises in various countries, as well as experts, scholars and organizers who had given strong support for this WFC. He stressed that WFO, as the pioneer and leader of global foundry knowledge dissemination and technological progress, shouldered the important task of promoting and strengthening the development of the foundry industry and made its due contribution to the progress and development of human civilization. He hoped that foundry organizations around the world would further strengthen and deepen exchanges and cooperation, so as to promote the digital, intelligent and green development of the global foundry industry.

In the session of "Impression of Deyang", Deputy Mayor



Host: Jose Javier Gonzalez, Secretary-General of the Executive Committee of WFO



Welcome Speech by Academician Ding Wenjiang



Welcome Speech by Mayor Liu Guangqiang



Welcome Speech by Chairman of WFO Executive Committee, Lou Yanchun



Jie Zhou introduced Deyang's history and culture, urban landscape, scientific and technological innovation and industrial characteristics to domestic and foreign delegates

present at this WFC. He welcomed experts, scholars and enterprises from both home and abroad to Deyang for cooperation, investment and entrepreneurship.

## Brilliant Technical Exchanges

With the theme of "Developing Foundry", this WFC focused on three major fields: foundry scientific research, engineering application and talent cultivation. It organized 9 high-level conference speeches and 18 wonderful sub-forums, at

which 238 outstanding industry experts from 26 countries shared their valuable experience and achievements. On October 26, brilliant speeches were delivered after the opening ceremony of this WFC.

## WFC Plenary Session



**Speaker**

Fusheng Pan (China, Academician of Chinese Academy of Engineering; Chongqing University, Professor)

**Topic:** Low cost high performance HPDC AM60 Based Alloys for Supersized Integrated Automotive Components



**Speaker**

Rafał Dańko (Poland, AGH University of Krakow, Professor, Polish Foundry Association, President)

**Topic:** Getting Closer to Green Casting Foundry - Sustainable Development



**Speaker**

Hongbiao Dong (UK, Fellow of the Royal Academy of Engineering; University of Leicester, Lifetime Professor)

**Topic:** Data Analytic Framework for University - Industrial Collaboration for Implementing Industry 4.0



**Speaker**

Alan Aihua Luo (USA, Member of the National Academy of Engineering of the United States; Ohio State University, Professor, Lightweight Materials and Manufacturing Research Laboratory, Director)

**Topic:** Integrated Computational Materials Engineering for Sustainable Casting Industry



**Speaker**

Baode Sun (China, Shanghai Jiao Tong University, Professor)

**Topic:** Study on the Counter-gravity Casting of Large and Complex Thin-wall Ni-based Superalloy Components



**Speaker**

Iulian Riposan (Romania, National University of Science and Technology POLITEHNICA Bucharest, Emeritus Professor; Technical Sciences Academy of Romania, Honorary Member; Romanian Foundry Technical Association, Former President; National University of Science and Technology POLITEHNICA Bucharest, President)

**Topic:** Oxidation Behavior of Inoculated Si/SiMo Spheroidal Graphite (Ductile) Cast Irons



**Speaker**

Yasuhiro Maeda (Japan, Daido University, Professor)

**Topic:** Study on Cooling Behavior of Spray and Air Cooling to High Temperature Green Sand



**Speaker**

Yanchun Lou (China, China Academy of the Machinery Science and Technology Group, Chief Scientist; State Key Laboratory of Advanced Casting Technology, Director and Researcher; World Foundry Organization (WFO), Chairman; Foundry Machinery Technical Committee of the International Standard Organization (ISO/TC306), Chairman)

**Topic:** Ti-Alloy Precision Casting Technology of Large Complex Structure with High Performance



**Speaker**

Primož Mrvar (Slovenia, University of Ljubljana, Faculty of Natural Sciences and Engineering, Head of the Foundry Chair/Professor)

**Topic:** In Situ Determination of Nonmetallic Inclusions in AlMg6Si2MnZr Alloy



### Oral Session

Following the speeches of WFC 2024, a series of achievements sharing and technical exchange activities were carried out, including the following forums: 2024 WFO International Forum on Cast Iron and Cast Steel Technology (16 speeches), Die-casting Technology Forum (16 speeches), Forum on Materials Genome Engineering (6 speeches), Forum on High Entropy Alloy (7 speeches), Forum on Metal Matrix Composites (6 speeches), Forum on Precision Casting Technology (4 speeches), Forum on Green and Low-carbon Development (6 speeches), Nonferrous Alloy Forum (16 speeches), High-temperature Alloy Forum (5 speeches); 2024 WFO International Forum on Moulding Material and Technology (9 speeches), Global Youth Forum (10 speeches), Doctoral Candidates Forum (57

speeches), Forum on Digital Intelligent Casting Technology (13 speeches), Forum on Key Castings Manufacturing for Rail Transportation (8 speeches), Additive Manufacturing (7 speeches) and Forum on Functional Materials (7 speeches); 2024 China Foundry Congress (30 speeches).



Scenes of Forums

### Talent Exhibited on Poster Session and Wisdom Integrated in Exchange

Totally 45 papers were selected and were displayed on poster session in the spacious and bright hall on the second floor for WFC 2024, attracting lots of delegates. The Organizing Committee invited the authors of the poster papers to communicate with the delegates face-to-face

in the exhibition area of the poster session. Researchers gathered in front of the poster and actively shared their research results, creating a lively discussion on site and a strong academic atmosphere.



### International Foundry Exhibition, a Grand Ceremony of Advanced Foundry Technologies and Products

The 2024 International Foundry Expo was held at the same time, with an exhibition area of 8,000m<sup>2</sup>, attracting 123 enterprises and scientific research institutions to exhibit their advanced technologies, materials, equipment and castings. From cutting-

edge casting technology achievements to cutting-edge design concepts, each exhibit firmly caught the attention of visitors and became an important source of leading the development trend of the industry and stimulating innovative thinking.

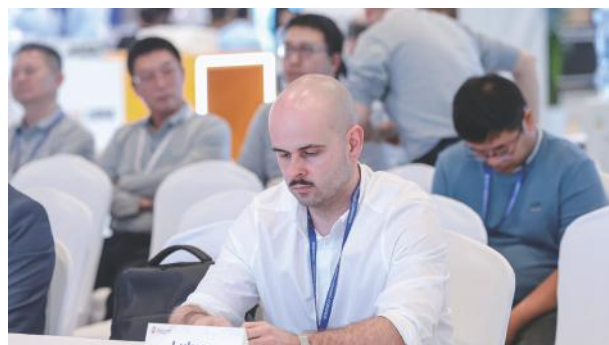


## Wonderful On-site Events

### International Foundry Scientific and Technological Achievements Fair

To build an efficient and professional international exchange platform, bring together top talents in the global casting field, display the latest scientific and technological achievements,

release cutting-edge information of the industry, and promote the deep integration of industry, university and research, an international casting technology achievement exhibition area was set up and experts and scholars from well-known enterprises were invited to deliver speeches on site in this WFC.



### 2024 Global Foundry Industry Innovative Technologies and Products Evaluation & Release

The members of Organizing Committee of WFC planned and held the "2024 Global Foundry Industry Innovative

Technologies and Products Evaluation" at the same time, aiming to discover, evaluate and promote excellent innovative technologies and products in the foundry field both at home and abroad. After preliminary evaluation, publicity and final evaluation by the expert group, innovative





technologies and products of 12 organizations were awarded the title of "2024 Global Foundry Industry Innovative

Technologies and Products". In addition, those innovative products were released on site.

### "Shengquan Cup" 2024 International Foundry Industry Photography Contest

The "Shengquan Cup" National Foundry Industry Photography Contest was launched in 2007. Since then, it has received positive response and strong support from

photography enthusiasts in the foundry industry at home and abroad. In 2024, "Shengquan Cup" 2024 International Foundry Industry Photography Contest was held. At this WFC, a special display wall was set for the winning works of the Photography Contest, and the winners were commended on site with trophies and certificates.



### Artistic Casting Display Area, Reproducing the Brilliance of Ancient Chinese Casting

There was a special "Artistic Casting Display Area" in this WFC, exhibiting replicas of Sanxingdui collections such as

Four-goat Square Zun and bronze head with protruding eyes and other bronze national treasures. This was to witness the glory of human casting in its early stage and feel the development of the foundry industry together with delegates at home and abroad!

### Simultaneous Exchange Meetings

From October 25 to 28, a number of important exchange meetings were held simultaneously with this WFC, including: 2024 WFO Executive Committee Meeting, Shenyang Research Institute of Foundry-Vietnam Exchange Meeting, 2024 WFO Member States Meeting, WFO Industry Organization Cocktail Party, and Technical Cooperation Exchange Meetings between China Foundry Association and Shenyang Research Institute of Foundry with Slovenia, Türkiye and Poland respectively. In addition, there were technical exchanges between Shenyang Foundry Research Institute and Voxeljet (Germany), as well as work exchange meetings between WFO and Türkiye.



2024 WFO Executive Committee Meeting





WFO General Assembly 2024



WFO-Türkiye Work Exchange



SRIF-Vietnam Exchange Meeting



Technical Cooperation Exchange between FICMES and SRIF with Türkiye



Technical Cooperation Exchange between FICMES and SRIF with Poland



Technical Cooperation Exchange between FICMES and SRIF with Slovenia



WFO Industry Organization Cocktail Party



Technical Exchange between SRIF and Voxeljet of Germany



## Webcast of On-site Wonderful Scenes

On October 26, the cameraman accurately captured a series of wonderful scenes including the grand opening ceremony, the glorious moments of the commendation

ceremony, as well as the in-depth exchange of advanced technologies and products.



Wonderful moments

## Exclusive Night: Gala Dinner

On the evening of October 26, guests and foundry colleagues from home and abroad gathered together for a warm and profound "Gala Dinner". The strong industry friendship permeated with each other, and they jointly looked forward to the vigorous development of the foundry industry. During the dinner, a ceremony of "Thanks to the Sponsors" of the 75th World Foundry Congress was specially held for their full support to lay a solid foundation for the smooth holding of this WFC.



Hosted by Mr. Huasheng Xie



Speech by Mr. Lou Yanchun



Thanks to the Sponsors



Thanks to the Supporters





Gala Dinner

## Gathering Elites in the Foundry Industry to Share the Celebration Moment

On October 28, after the closing ceremony of this WFC, the delegates attended the "Foundrymen's Night" dinner with full enthusiasm. This dinner was not only to celebrate the

success of this WFC, but also to provide a valuable platform for elites in the foundry industry from all over the world to have in-depth exchanges and enhance friendship.



Foundrymen's Night

## Closing Ceremony

On October 28, the closing ceremony of this WFC was held in Wende International Convention and Exhibition Center, Deyang, China.

Jose Javier Gonzalez, Secretary-General of the Executive Committee of WFO, presided over the closing ceremony.

Yanchun Lou, the Chairman of the Academic Committee of the 75th World Foundry Congress and Chairman of WFO Executive Committee, made a summary. He reviewed the

congress in the past few days. This WFC attracted more than 1500 delegates from more than 30 countries and regions, and 238 experts, scholars and enterprise delegates in the foundry industry made wonderful speeches. During this WFC, 459 long abstracts were received and 45 papers were displayed on poster session. 123 enterprises and scientific research institutions exhibited advanced technologies, materials, equipment and castings. At WFC 2024, He made





Closing ceremony by Secretary-General Jose Javier Gonzalez

a comment on WFC 2024, and said that it was an important event for the global foundry industry. This WFC had promoted exchanges and cooperation in foundry technology among countries, advanced scientific and technological innovation in the foundry industry, accelerated the growth of young foundry technology talents, and contributed to the overall level improvement and sustainable development of the foundry industry. Finally, on behalf of the WFO, he expressed his gratitude to the experts, scholars and delegates who had contributed to this WFC. He also thanked the organizers and supporters of this WFC as well as Deyang Municipal People's Government.

In recognition of outstanding achievements and innovations in the field of foundry science and technology, the Organizing Committee organized experts at home and abroad to select WFC "Best Scientific Paper Award" and WFC "Best Technical Paper Award", so as to commend scholars who had made outstanding contributions to basic



Summary of this WFC by Lou Yanchun

theoretical research and technology development and application. To encourage the continuous innovation of young scholars and doctoral candidates, the Organizing Committee organized industry experts and scholars to select WFC "Best Youth Paper Award" and "Best Doctoral Candidate Paper Award", with an expectation to stimulate the enthusiasm and scientific research potential of young scholars. In the end, this WFC granted 10 "Best Scientific Paper Awards", 3 "Best Technical Paper Awards", 25 "Best Youth Paper Awards" and 15 "Best Doctoral Candidate Paper Awards".

At the closing ceremony of this WFC, a grand award ceremony was held. Official delegates of WFO and leaders of the Organizing Committee presented awards to winners. Secretary-General Jose Javier Gonzalez announced the winners of WFC "Best Scientific Paper Award", and Mr. Andrew Turner and Mr. Yim Younghoon presented the awards to the winners.



Presentation of "Best Scientific Paper Award" to winners



Presentation of "Best Youth Paper Award" to winners



Presentation of "Best Doctoral Candidate Paper Award" to Winners



Presentation of "Best Technical Paper Award" to winners

Secretary-General Jose Javier Gonzalez announced the winners of WFC "Best Technical Paper Award", and Mr. Carsten Kuhlitz and Mr. Andrew Turner presented the awards to the winners.

Professor Shoumei Xiong announced the winners of WFC "Best Youth Paper Award". Mr. Rafal Danko, Mr. Huasheng Xie, Professor Jianxin Zhou and Mr. Chunlei Liu presented awards to the winners.

Professor Xiaoguang Yuan announced the winners of WFC "Best Doctoral Candidate Paper Award". Mr. Xabier González Azpiri, Mr. Huasheng Xie, Professor Jianxin Zhou and Mr. Chunlei Liu presented awards to the winners.

After the award ceremony, Mr. Huasheng Xie, the Chairman of the Organizing Committee and the President of China Academy of Machinery Shenyang Research Institute of Foundry, delivered a closing speech. He expressed his gratitude to the achievements and valuable experience of WFC 2024, and thanked organizations, enterprises and research institutions in the foundry industry in the whole world as well as colleagues

at home and abroad for their full support.

At the handover ceremony between the host countries of the 75th and 76th World Foundry Congresses, Mr. Mehmet Ozalp, the Vice President of Turkish Foundry Association of the host country of the 76th World Foundry Congress, praised the scale and achievements of this WFC, and said that he would make every effort to hold the 76th World Foundry Congress well and contribute to promoting the progress of global foundry science and technology. Then, the promotional video of Istanbul, Türkiye, where WFC 2026 would be held was played to showcase Turkish scenery, culture and foundry industry.

Finally, a solemn WOF flag handover ceremony was held. Hongchao Liu, Secretary-General of the Foundry Institution of Chinese Mechanical Engineering Society and Jose Javier Gonzalez, the Secretary General of the WFO Executive Committee, handed over the WFO flag to Mehmet Ozalp, the Vice Chairman of Turkish Foundry Association, representing the official launch of the 76th World Foundry Congress.



Closing Speech by Mr. Huasheng Xie



Speech by Mehmet Ozalp



WFO Flag Handover Ceremony





## Visit to Benchmarking Enterprises in Foundry Industry Chain

On October 29, the Organizing Committee invited guests and delegates to visit and make exchange in the 4 representative factories carefully selected, including Guangda Dongqi New Material Co., Ltd., Erzong (Deyang) Heavy Equipment Co., Ltd.,

Heavy Equipment Co., Ltd., Chengdu Nonferrous Casting Branch of FAW Foundry Co., Ltd. and Sichuan Dawn Precision Technology Co., Ltd. as scheduled.



Visit to Guangda Dongqi New Material Co., Ltd.



Visit to Chengdu Nonferrous Casting Branch of FAW Foundry Co., Ltd.



Visit to Erzong (Deyang) Heavy Equipment Co., Ltd.



Visit to Sichuan Dawn Precision Technology Co., Ltd.

## Cultural Journey to Bridge Friendship after WFC 2024

On 30 October, foreign delegates embarked on a passionate journey after this WFC ended. Some delegates visited the historical Sanxingdui Museum to learn about the amazing ancient bronze culture and mysterious sacrificial culture. Some visited the vibrant Chengdu Research Base of Giant Panda Breeding to learn about China's achievements in giant panda protection, breeding and research, and they spent a happy time with those cute and lively pandas.





Journey to Sanxingdui Museum



Journey to Chengdu Research Base of Giant Panda Breeding

The success of this WFC is owing to the strong support of WFO and its member organizations. During the preparatory period, enterprises and industry organizations actively sponsored WFC 2024, and the Academic Committee worked

hard to contribute to its success. WFC 2024 could not have been so successful without the support and cooperation of co-organizers, media, host enterprises and delegates.



## Voice of Participants

### Spain

First of all I want to congratulate the host WFO and the organizer FICMES on their absolutely wonderful commitment to their work. The congress was a success. Although I am not technical so that I cannot value the quality of the papers, I believe that on the whole the people were quite content with the contents of the congress. We do appreciate that the organizer organized transfers both to and from the Chengdu airport and also to and from the venue from the hotel. When it comes to the meals and the dinners, they were all perfectly in order, especially the Foundrymen's Night where the Spanish delegation was able to dance a lot. Thanks again for all help.

### Slovenia

Thanks for the exceptional support and attention the host WFO and the organizer FICMES showed us at every step during our stay in Deyang. We believe the 75WFC added yet another positive mark to their record as organizers of this major global foundry event. In our view, they executed the event flawlessly, and we find it difficult to offer any suggestions for improvement, as everything proceeded smoothly, without interruptions or delays – in a word, excellent+++.

On behalf of the entire Slovenian delegation, I would like to sincerely thank them for their kindness, assistance, and warmth, which they personally demonstrated throughout our time there. We wish them all the best moving forward.

### India

The 75th WFC is a well organized event, without any imperfection or inadequacy. Right from the day one till the last day, everything went on very well. The technical sessions were well organized and they were extremely fruitful. All the staff and the volunteers sitting at the front desk were very receptive and cordial.

We enjoyed a variety of Chinese dishes (food items) offered during the conference lunches and dinners. The cultural programmes held on the Oct 26 night were heart touching and they will remain in our memories. We were little disappointed, as we were expecting similar cultural events in the Foundrymen's Night also. All the speakers and foreign delegates were received from the airport/railway station and again dropped back when they were returning. Having attended the previous WFCs in different countries, I can confidently tell that this kind of good treatment was not offered to the delegates anywhere. I wholeheartedly congratulate the organizing committee and the whole team for their hard efforts in making this event a grand success. I would love to attend another WFC that would be organized in China in the near coming future.

### Turkey

We were delighted to participate in such a significant event, which offered an outstanding platform for networking and knowledge-sharing across the global foundry industry. I've received positive feedback from our delegates, particularly appreciating the venue, program, and the variety of activities organized. These elements added tremendous value to their experience, making the congress both productive and enjoyable.

We would like to thank the organizer FICMES once again for a successful and well-organized congress.





The 75<sup>th</sup>  
**WORLD FOUNDRY CONGRESS**  
第75届世界铸造会议

**2024 10.25-30**

中国·德阳 | DEYANG · CHINA

DEVELOPING FOUNDRY





## Host

The World Foundry Organization (WFO)

## Organizer

Foundry Institution of Chinese Mechanical Engineering Society (FICMES)  
China Foundry Association  
National Key Laboratory of Advanced Casting Technologies

## Joint Organizer

Shenyang Research Institute of Foundry Co., Ltd. CAM

## Co-organizer

National Technical Committee 54 on Foundry of Standardization Administration of China  
Tsinghua University  
Shanghai Jiao Tong University  
Huazhong University of Science and Technology  
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Harbin Institute of Technology  
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No.59 Institute of China Ordnance Industry  
Beijing Institute of Aeronautical Materials  
Ningbo Institute of Materials Technology and Engineering of Chinese Academy of Sciences  
Baotou Research Institute of Rare Earths  
Deyang Guangda Dongqi New Material Co., Ltd.  
Erzhong (Deyang) Heavy Equipment Co., Ltd.  
FAW Foundry Co., Ltd.  
Sichuan Dawn Precision Technology Co., Ltd.  
National Key Laboratory of Clean and Effective Turbine  
Foundry Professional Committee of Jiangsu Mechanical Engineering Society  
Jiangsu Foundry Association  
Foundry Institution of Zhejiang Mechanical Engineering Society  
Zhejiang Foundry Industry Association  
Foundry Professional Committee of Shanxi Mechanical Engineering Society  
Shanxi Foundry Association  
Sichuan Province Foundry Association  
Foundry Institution of Sichuan Mechanical Engineering Society  
Foundry Institution of Henan Mechanical Engineering Society  
Henan Casting & Forging Industrial Association  
Shandong Foundry Association  
Foundry Institution of Liaoning Mechanical Engineering Society

Liaoning Casting & Forging Industrial Association  
Foundry Professional Committee of Fujian Mechanical Engineering Society  
Fujian Foundry Industry Association  
Hong Kong Foundry Association  
Foundry Professional Committee of Hubei Mechanical Engineering Society  
Hubei Foundry Society  
Foundry Institution of Guangxi Mechanical Engineering Society  
Guangxi Foundry Association  
Foundry Institution of Guangdong Mechanical Engineering Society  
Foundry Industry Association, Guangdong Province  
Foundry Professional Committee of Inner Mongolia Mechanical & Electrical Engineering Society  
Foundry Professional Committee of Anhui Mechanical Engineering Society  
Foundry Institution of Guizhou Mechanical Engineering Society  
Foundry Institution of Yunnan Mechanical Engineering Society  
Foundry Professional Committee of Gansu Mechanical Engineering Society  
Foundry Professional Committee of Xinjiang Mechanical Engineering Society  
Jilin Foundry Association  
Foundry Institution of Chongqing Mechanical Engineering Society  
Chongqing Foundry Association  
Xi'an Foundry Society  
CRRC Qishuyan Institute Co., Ltd.  
SIPPR Engineering Group Co., Ltd.  
Jinan Shengquan Group Share-Holding Co., Ltd.  
Vesuvius Foundry Technology (Jiangsu) Co., Ltd.  
voxeljet China Co., Ltd.  
MAGMA Engineering (Suzhou) Co., Ltd.  
Guangxi Lanco Resources Recycling Co., Ltd.

## International Co-organizer

Polish Foundrymen's Association (STOP)  
Romanian Foundry Technical Association (ATTR)  
Casting Exporters' Association of Spain (FUNDIGEX)  
Turkey Foundry Association (TUDOKSAD)  
Institute of Cast Metals Engineers (U.K.)  
Indonesian Association of Foundry Industries (APLINDO)  
Slovenian Foundrymen Society (DLS)  
Croatia Foundry Association  
Vietnam Foundry & Metallurgy Science and Technology Association (VFMSTA)  
The Institute of Indian Foundrymen

## Domestic Supporting Media

FOUNDRY  
Special Casting & Nonferrous Alloys  
China Foundry Machinery & Technology  
Foundry Technology  
Foundry Equipment & Technology  
Modern Cast Iron  
Foundry Engineering  
Foundry Panorama  
Foundry World Report  
Die-casting  
baizhuwang.com

Journal of Lost Foam Casting and V-process Casting  
Foundry-Suppliers.com  
Intercontinental Foundry  
foundry.com.cn  
Heavy Casting and Forging  
yzweekly.com

## International Supporting Media

CHINA FOUNDRY  
Foundry Trade Journal  
Foundry-Planet  
Foundry Review (Przegląd Odlwnictwa)  
Romanian Foundry Journal

Livarski Vestnik  
Global Casting  
International Journal of Metalcasting (IJMC)

