2018 China Foundry Congress | China Foundry Industry Exhibition

November 15–17, 2018 Suzhou International Expo Centre

Sponsors:
Chinese Mechanical Engineering Society
Foundry Productivity Center of China

Organizer:
Foundry Institution of Chinese Mechanical Engineering Society
Shenyang Zhongzhu Foundry Productivity Center
State Key Laboratory of Light Alloy Casting Technology for High-end Equipment
As an important foundry industry cluster in China, the Yangtze River Delta has been an important leader in China, featuring professionalism, precision and uniqueness as its development mission. Among them, Jiangsu ranks first in China in terms of output and technology, where advanced technologies have been widely promoted and applied.

**Focusing on the Yangtze River Delta to the Whole Foundry Industry**

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**Chinese Foundry Industry in the New Era**

Opportunities and Challenges

The output of castings in China in 2016 reached 47.2 million tons, ranking first in the world for 16 consecutive years. However, despite its enormous quantity, the industry is yet to be developed. Now, its major challenges lie in key castings and technologies. At the critical phase of the accelerating development of an innovation-oriented country, the foundry industry also enters into a new period of industrial restructuring and core competitiveness upgrading.

**A New Model of Conference and Exhibition**

China Foundry Congress 2018 and China Foundry Industry Exhibition will be concurrently held at Suzhou International Expo Centre from November 15 to 17, 2018. This is a new combination model of conference and exhibition. It will build a comprehensive service platform for the industry in order to facilitate the transformation and upgrading of the foundry industry in China. China Foundry Congress 2018 focus on hot topics such as environmental protection, digitalized factories, energy conservation and emission reduction, production safety, quality and management, as well as advanced and applicable foundry technologies. China Foundry Industry Exhibition, a platform for brands to showcase new materials, intelligent equipment and innovative products of the foundry industry. Moreover, more than 10 side events will be held concurrently, including product and technology releases, trend research, expert lectures, and seminars for young workers, which are sure to contribute to an extraordinary event with rich content, professionalism and highlights emerging.

www.chinacastexpo.com
China Foundry Congress 2018

Since its first launch in 2000, “China Foundry Congress” assembles superior resources in foundry markets at home and abroad and brings together distinguished scholars and experts to share insights, technologies and experience on hot topics about the foundry industry and to develop a high-end exchange platform for the foundry industry. It is hailed as the “knowledge sharing and learning camp” in the Chinese foundry sector, and its brand is influential across China and even the world.

An Authority in the Foundry Industry to Present Top Awards

- China Foundry Lifetime Achievement Award
- China Foundry Outstanding Contribution Award
- "Yong Guan Cup" of China Undergraduate Casting Process Design Competition
- "FOSECO Cup" Best Foundry Papers
- "Sheng Quan Cup" Outstanding Young Talent Award

Policy Interpretation – Forums Focusing on Hot Topics

Focus on hot topics of the foundry industry, interpret applicable national policies and development strategies, facilitate business restructuring and upgrading, and seize market opportunities.

State-of-the-art Technologies – Facilitation of Cutting-edge Applications

Focus on cutting-edge technologies, integrate “Made in China 2025”, Industry 4.0, environment protection, and artificial intelligence into the convention, and showcase new products, new technologies and new achievements.

Technology Incubation and School-Enterprise Cooperation

Foundry Science and Technology Achievements Trade Fair, a cooperation platform for manufacturers, universities and research institutes, matches the latest technological advances at universities with actual needs of enterprises and nurtures high-tech centers for the foundry industry.

Industry standardization leads development.

An authoritative platform of national/industrial foundry standards establishment and revising, to promote the innovative development of enterprises and the continuous improvement of the foundry industry.

Call for Papers

Topics

1. The practice, development and application of new foundry technologies, processes, materials, products and equipment based on the concept of "green casting";
2. The leading casting technologies including the digitalization, networking and intelligent casting;
3. Measures, technologies and equipment on energy saving, emission reduction and environmental protection of foundry industry;
4. Enterprise management, quality control, and industrial standardization;
5. Prospects forecast on development trend and market of foundry industry;
6. Other topics on theory, technology, research and development, and marketing of foundry industry.

Rules for authors

1. The papers must be original and should not have been published elsewhere. The abstract should be within 500 words and no charts and the full paper should be no more than 6000 words.
2. The paper should be submitted in Office Word format, three-line table and the original graphs and pictures should be sent by attached file.
3. The full paper should include the title, abstract, key words, text, conclusions and the references.
4. The author's information should include the introduction of the first author, the detailed address of communication, the telephone number and e-mail.

Deadline

Abstract: July 31, 2018.
Full Paper: August 31, 2018

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Review

813 participants from foundry industry, 6 technical sessions, 174 papers, 5 plenary session presentations and 90 papers on special topics.

Attendees

- Universities, and research institutes: 64%
- Business executives, and technical staff: 12%
- Industrial associations and societies, and professional media: 24%

Exhibitors

- Casting Factories: 6%
- Foundry Materials: 34%
- Foundry Equipment: 32%
- Testing Equipment: 7%
- Computer-aided Software: 9%
- Others: 12%

Source: representatives in 2017 (part of the list)

Speakers

- Koji Okayasu, SINTOKOGIO, LTD.
- SHUJII KOIWA, KOIWA CO., LTD.
- To Duy Phuong, Hanoi Association of Foundry and Metallurgy
- Mathieu Weber, MAGMA Engineering (Suzhou) Co., Ltd.
- XING Jian-dong, Xian Jiao Tong University
- JIANG Qi-Chuan, Department of Materials Science and Engineering, Jilin University
- LI Wei, Institute of Advanced Wear and Corrosion Resistant and Functional Materials, Jinan University
- SHAN Zhong-de, China Academy of Machinery Science and Technology
- MA De-xin, Wedge Central South Research Institute
- Christof Volks, Foseco Germany
- Thomas Hoehn, Shandong Weldstone Tungsten Industry Co., Ltd.
- Jurgen Radstake, FOSECO Nederland BV
- Andy Plowman, Elkem International Trade (Shanghai) Co., Ltd.
- LIU Xiao-long, Automotive Engineering Corporation
- SONG Yan-pei, Henan University of Science and Technology
China Foundry Industry Exhibition 2018 (CFIE 2018), based on “China Foundry Congress”, will rely on resource advantages of the Yangtze River Delta to focus on showcasing the most representative foundry equipment, products, technologies and research achievements in the current field of foundry.

Showcasing Full-Process Solutions for Foundry

- Foundry Achievements
- New Materials
- New Processes
- Eco-friendly Solutions
- Intelligent Manufacturing

Onsite event to Create Infinite Opportunities

- Application of Intelligent Foundry Solutions to Production
- Forum of Green Environmental Protection Development
- Southeast Asia Foundry Export Information Release Conference

A Superb Platform for Business Promotion and Unique Exhibition Experience

A Special Exhibition Section for Ancient Art Casting Connecting the Past with the Present

In 2018, the organizer will work with Art Casting Technical Committee and Foundry History Working Committee of FICMES for the first time to create the Exclusive Exhibition Area for Ancient Art Casting Products. It gives an overview of the development history of art casting in China, and displays past foundry methods and techniques in the hope that some insights can be provided for the modern foundry industry.

Exhibition Review

**Category of Visitors**

- Aerospace: 23%
- Automobile industry: 17%
- Engineering machinery: 22%
- Hydropower industry: 18%
- Machinery and Equipment: 11%
- Others: 9%

Source: Exhibitors in 2017 (part of the list)

Top 10 overseas countries and regions in visitors size: the United States, Germany, the United Kingdom, Japan, Italy, Vietnam, Pakistan, Nigeria, Taiwan and Malaysia.
Joint Efforts to Build Global Brands

Foundry Productivity Center of China

FPC was established in 1998. It is a national demonstration productivity promotion center based on Shenyang Research Institute of Foundry. The center has been providing a variety of industrial services, including the organization of industrial conferences and exhibitions, international exchanges and cooperation, commendation and reward, skills training and evaluation, scientific and technological achievements evaluation, consulting, standards draft and revision, and journals publication.

Cooperation among Mainland China, Taiwan, and Hong Kong for a Better Future of the Foundry Industry

Hong Kong Productivity Council (HKPC) – Transformation of Industry 4.0 achievements and seeking partners.
Taiwan Foundry Society – Focusing on showcasing the latest R & D results and new products of foundry manufacturers in Taiwan.
Provincial foundry associations and societies – Sharing excellent cases of different regions and Industrial Parks

Full Support from International Industrial Organizations

In-depth cooperation is carried out with international industrial organizations such as American Foundry Association, Japan Foundry Engineering Society, Korea Foundry Society, India Foundry Association, Vietnam Foundry Metallurgical Association, and Thai Foundry Association to learn from each other’s strengths.

Integration of Global Casting Exhibition Platforms

FPC held the first CHINA DIECASTING in 1997, which has become an influential brand for the global diecasting industry. Since 2012, Foundry Productivity Center of China started cooperation with NürnbergMesse to jointly build and cultivate an array of global diecasting and casting exhibition brands. At present, the trade show brands which have covered international markets such as Asia, Europe and the Americas, and help to create a comprehensive exhibition service platform for exchanges between Chinese and international manufacturers to drive the technological development of the global foundry industry.
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More information, please visit
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