



DIE CASTING
CONGRESS
中国压铸会议

**Let's Put Future
in Die Casting**

The 16th China International Die Casting Congress

| Congress Review



Photo Gallery



Live Broadcast

www.diecastexpo.cn/en/congress |

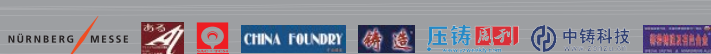
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Contents

- 01 2021 Related Data
- 02 Superb Speeches Focused on Hot Topics and Interpreted Latest Technologies
- 03 Innovation Achievements Display
- 04 Strategic Cooperation Signing Ceremony
- 05 Visit BYD Die Casting Factory
- 06 Social Activities to Expand Industry Resources
- 07 Photos of Delegates
- 08 DIE CASTING CONGRESS Expert Committee
- 09 Dialogue with Industry Experts for Strategic Insights
- 10 Multi-channel Publicity of DIE CASTING CONGRESS

2021





2021

Related Data



29 speakers were invited to share their research results and latest technologies on hot topics



23 enterprises displayed their innovation achievements



8 industry experts shared their insights on live broadcast



424 delegates participated in the conference



Opening Ceremony

At the opening ceremony of DIE CASTING CONGRESS 2021 held at 09:00 am on March 25th, Mr. Xie Huasheng, vice president of Foundry Institution of Chinese Mechanical Engineering Society/ deputy director of National Technical Committee 54 on Foundry of Standardization Administration of China/ chairman of Shenyang Research Institute of Foundry Co., Ltd., and Dr. Xiong Shoumei, chairman of DIE CASTING CONGRESS Expert Committee/ vice president of Foundry Institution of Chinese Mechanical Engineering Society/ professor of Tsinghua University delivered welcome speeches. Mr. Liu Hongchao, secretary-general of Foundry Institution of Chinese Mechanical Engineering Society presided over the opening ceremony.

With the continuous transformation and upgrading of Chinese foundry industry, die casting and nonferrous casting industry has entered into a new stage of stable and high-quality development. In the first year of the 14th Five-Year Plan and under the new "dual circulation" economic pattern, the scale, innovation ability, industrial structure, quality and efficiency, and sustainability of die casting industry would be further reformed and improved.

Once again DIE CASTING CONGRESS was successfully held in Shenzhen. In the theme of "Upgrading Die Casting Industry with Innovative Technology", the conference focused on six hot topics and gathered industry experts to discuss innovation technology.

DIE CASTING CONGRESS 2021 provided an invaluable opportunity for academic exchanges, achievement transformation and technology sharing.

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Mr. Xie Huasheng



Dr. Xiong Shoumei



Mr. Liu Hongchao

Delegates Analysis 2021

Delegate Satisfaction



98%

delegates considered that the topics were good or excellent



96%

delegates were satisfied with the quantity of speeches



93%

delegates considered that the service quality was good or excellent.



90%

delegates were satisfied with the "Innovation Achievements Display Area"



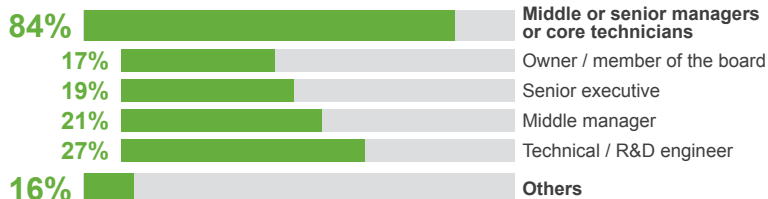
86%

delegates were satisfied with the factory visit

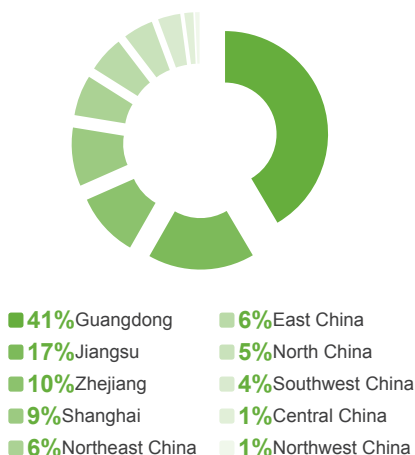
Category of Participant Enterprises



Job Function of Delegates

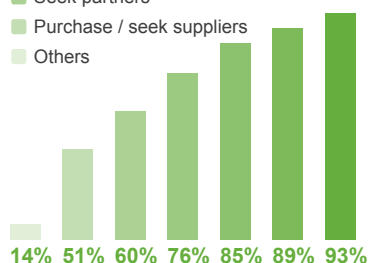


Distribution of Delegates



Purpose of Participation (Multiple choice)

- Know more about current status and trend of die casting market
- Find innovations and solutions
- Know more about frontier technology
- Know more about die casting industry policy / seek policy solutions
- Seek partners
- Purchase / seek suppliers
- Others



Overview of Participant Enterprises



※ More delegates were invited

Superb Speeches Focused on Hot Topics and Interpreted Latest Technologies

29 speakers were invited to share their research results and latest technologies on hot topics of die casting industry including "die casting standards", "development trend of automobile and other application fields", "product development and integrated computational materials engineering", "development and application of alloy material", "high-end mould making technology", "advanced process and innovative technology", "intelligent manufacturing and lean management" and "die casting equipment and integration technology".

Overview of Guest Speakers

2021

Advanced Processes and Innovative Technology



Dr. Zhao Guoping, Associate Professor, Jiangsu University
Topic: New Stable Filling Technology in LPD Process



Dr. Ji Zesheng, Professor, Harbin University of Science and Technology
Topic: Aluminum Alloy Squeeze Casting Products Design and its Application in Automobile Lightweight



Mr. Zhao Hongquan, Special Expert, Guangdong Yizumi Precision Machinery Co., Ltd.
Topic: The Research and Development and Application of Aluminum Alloy and Magnesium Alloy Semisolid Die Casting Technology



Dr. Li Daquan, Professor, GRIMAT Engineering Institute Co., Ltd.
Topic: Defects Control and Microstructure Characterization of Semi Solid Die-cast High Strength Al-Zn-Cu-Mg Alloy



Mr. Jason, Application Engineer, PSB Engineering (Suzhou) Co., Ltd.
Topic: Development and Optimization of the Casting Technology of the Part of the Suspension of the Heavy Vehicle Used in Difficult Wetland Environment Conditions



Mr. Ma Juncheng, Div. Director, CRRC Qishuyan Institute Co., Ltd.
Topic: Green and Intelligent Production of High Quality Aluminum Alloy casting Used in High-speed Rail Gear Box



Dr. Long Wenyuan, Expert of CAM SSM, China Academy of Machinery Science & Technology (Jiangxi) Institute of Semi-solid Metal Technology Co., Ltd.
Topic: Development of Semi-solid Rheoflaming Die Casting Technology for Small High Strength and High Conductivity Premium Products

Industry Standard Analysis and National Policy Interpretation



Mr. Su Shifang, Secretary-general, National Technical Committee 54 on Foundry of Standardization Administration of China
Topic: Analysis and Discussion on Current Situation of Foundry Standardization in China



Mr. Lu Jun, Secretary-general, National Technical Committee 166 on Foundry Machinery of Standardization Administration of China
Topic: Analysis and Discussion on Current Situation of Foundry Standardization in China



Mr. Zhao Mingnan, Div. Director, Automotive Data of China Co., Ltd.
Topic: Carbon Policy Challenges for the Automotive Industry Chain

Development and Application of Alloy Material



Dr. Xiong Shoumei, Professor, Tsinghua University
Topic: Study of the Influence of Ceramic Sleeve on the Micro-structure and Mechanical Properties of Die Cast Aluminum Alloys for Structural Applications



Dr. Zhao Haidong, Professor, South China University of Technology
Topic: Three-Dimensional Characteristics and Mechanical Behavior of Micro-Pores in Die-Cast Aluminum Alloys



Dr. Zhao Dazhi, Lecturer, School of Materials Science and Engineering, Northeastern University
Topic: The Research Progress on Rare Earth Alloying in Magnesium Alloys



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Overview of Guest Speakers

Product Development and Integrated Computational Materials Engineering



Dr. Peng Liming, Executive Deputy Director, Shanghai Jiao Tong University

Topic: Non-heat Treatable High-strength and Toughness Die-casting Magnesium Alloy and the Application & Development of Large-scale Thin-walled Parts



Mr. Li Jingliang, Deputy Chief Engineer of Material Technology, Technical center of Dongfeng Motor Corporation

Topic: Research and Practice on the Virtual Validation Accuracy Improvement for the Key Component of the Carrosserie



Mr. Gu Xiao, Director, SAIC Volkswagen Automotive Co., Ltd.

Topic: Challenges of Manufacturing and Cost for BIW Light Weighting



Mr. Liu Jin, Senior Engineer, ZTE Corporation

Topic: Application of New Technology and New Demand from 5G



Mr. Hardy Zhu, Casting Engineering Specialist, Eaton (China) Investments Co., Ltd.

Topic: Aluminum Casting Sub-frame Development

Die Casting Equipment and Integration Technology



Dr. Fang Jianru, General Manager, Dalian Yaming Automotive Parts Co., Ltd.



Dr. Lu Hongyuan, General Consultant of Technology and Sales, Bühler (China) Machinery Manufacturing Co., Ltd.

Topic: The Outlook of Die Casting Market with More Locking Force



Dr. LH Liu, Researcher, L.K. Technology Holdings Limited; Postdoctor, South China University of Technology

Topic: Integration Molding of Super Large Automobile Structural Parts



Mr. Zhang Lijun, Deputy General Manager, Yixing Xucan Purification Equipment Co., Ltd.

Topic: Research and Analysis of Automatic Cleaning Technology for Exhaust Gas Purification Device of Die Casting Machine



Mr. Guillermo Ibáñez, Director, Foundry Cluster

Topic: Overview of Mexico Die Casting Industry

Intelligent Manufacturing and Lean Management



Mr. Michael Er, General Manager, AGS (Suzhou) Co., Ltd.



Mr. Peter Xu, Casting Specialist and Red X Master, General Motors (China) Investment Co., Ltd.

Topic: To Resolve the Complex Technical Problems of High Pressure Die Castings by Red X Approach



Mr. Liu Zhenan, Executive Vice President, Dalian Yaming Automotive Parts Co., Ltd.

Topic: Planning of A New Die Casting Factory



Mr. Stone Ding, Senior Casting Expert, BOSCH

Topic: Cost Engineering Empowers the Management of Die-casting Enterprises



Mr. Xu Guangxiang, Special Expert, Foundry Institution of Chinese Mechanical Engineering Society

Topic: Die Casting Company Evolution Approaches: Increasing Efficiency, Reducing Cost, Improving Quality, Digital Transformation

High-end Mould Making Technology



Mr. Tony Zhang, Secretary-general, Ningbo Die & Mould Industry Association



Dr. Yan Feng, Chief Inspector, Guangdong Hongtu Technology (holdings) Co., Ltd.

Topic: Development Aluminum Alloy Sub-frame



Mr. Liang Zhenjin, Technical Director, Guangzhou Die and Mould Manufacturing Co., Ltd.

Topic: High Vacuum Die Casting Mould Design for Structure Part of Automobile



Dr. Wu Xiaochun, Deputy Director, State Key Laboratory of Advanced Special Steel Shanghai University

Topic: Key Technology to Improve the Life and Stability of Die-casting Mold

Innovation Achievements Display

"Innovation Achievements Display" was held on site concurrently with DIE CASTING CONGRESS, to enhance the promotion of independent innovation achievements and technologies effectively. 23 enterprises or institutions participated in this activity.



全国铸造标准化技术委员会 (SAC/TC184)
全国铸造机械标准化技术委员会 (SAC/TC185)

战略合作签约仪式



Strategic Cooperation Signing Ceremony

In order to promote high quality development of the industry and improve core competitiveness of enterprises, a signing ceremony between National Technical Committee 54 on Foundry of Standardization Administration of China and National Technical Committee 186 on Foundry Machinery of Standardization Administration of China was held on site to carry out comprehensive strategic cooperation.

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Visit BYD Die Casting Factory-FinDreams Powertrain Co., Ltd.



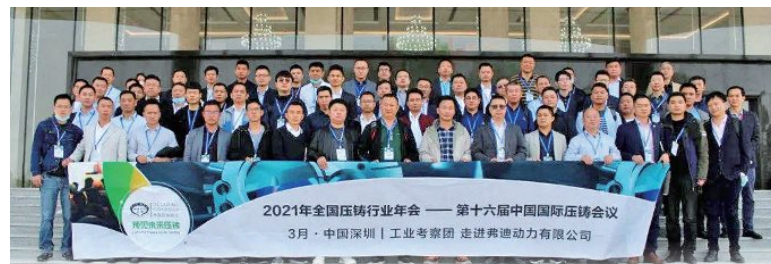
BYD Machining-Workshop



BYD Die Casting Workshop



BYD Exhibition Hall



2021年全国压铸行业年会——第十六届中国国际压铸会议
3月·中国深圳 | 工业考察团 走进弗迪动力有限公司



Elite Party



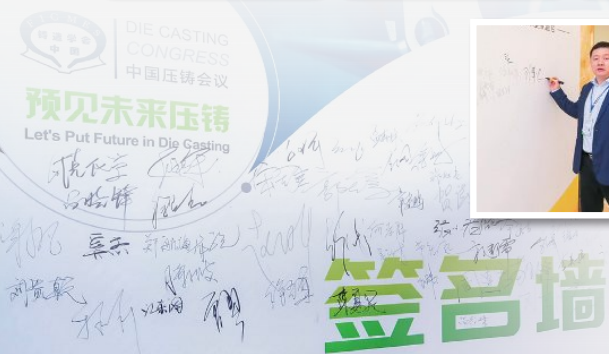
Social Activities to Expand Industry Resources



Reception Dinner



Photos of Delegates



Dialogue with Industry Experts for Strategic Insights

Die-Casting Weekly, a well-known industry media, was invited by the organizer to interview 8 industry experts onsite and broadcast their deep insights on industry's sore points and trends to audience.

Dr. Xiong Shoumei, Professor, Tsinghua University

Dr. Zhao Haidong, Professor, South China University of Technology

Mr. Zhang Guozhong, Marketing Director, L.K. Technology Holdings Limited

Mr. Michael Er, General Manager, AGS (Suzhou) Co., Ltd.

Mr. Jiang Jian, Senior Manager, Guangdong Yizumi Precision Machinery Co., Ltd.

Mr. Lu Min, General Manager, Bühler (China) Machinery Manufacturing Co., Ltd.

Mr. Zhang Lijun, Deputy General Manager, Yixing Xucan Purification Equipment Co., Ltd.

Mr. Lv Xiaofeng, Sales Manager, Wacker Chemicals (China) Co., Ltd.



Scan for Review

DIE CASTING CONGRESS Expert Committee and Industry Support

For a better DIE CASTING CONGRESS, Foundry Institution of Chinese Mechanical Engineering Society (FICMES) has set up a professional expert committee team. With high sensitivity to the development of the industry and deep research in die casting field, they put forward a lot of professional advice and constructive feedback to enable the congress to scale new heights with renewed vigor and profound technical foundation.



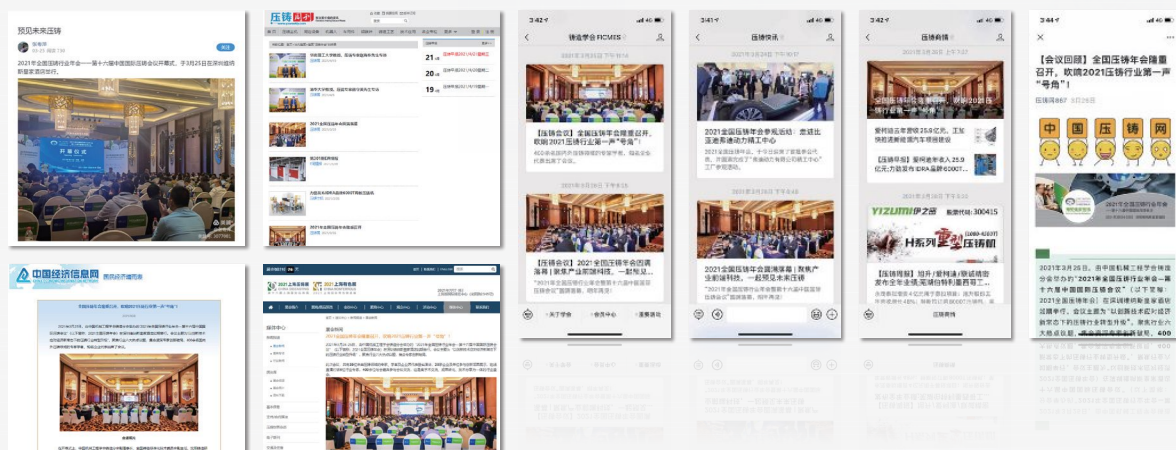
Member of DIE CASTING CONGRESS Expert Committee



Multi-channel Publicity of DIE CASTING CONGRESS

2021

DIE CASTING CONGRESS has been reported through WeChat, website, magazines and other channels by a lot of media. Thanks to following media for their support: CHINA FOUNDRY, FOUNDRY, Die-casting Weekly, Zonzu Technology, SPECIAL CASTING & NONFERROUS ALLOYS, DIE-CASTING, FOUNDRY WORLD REPORT.



Many Participant Enterprises Reported the Conference



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