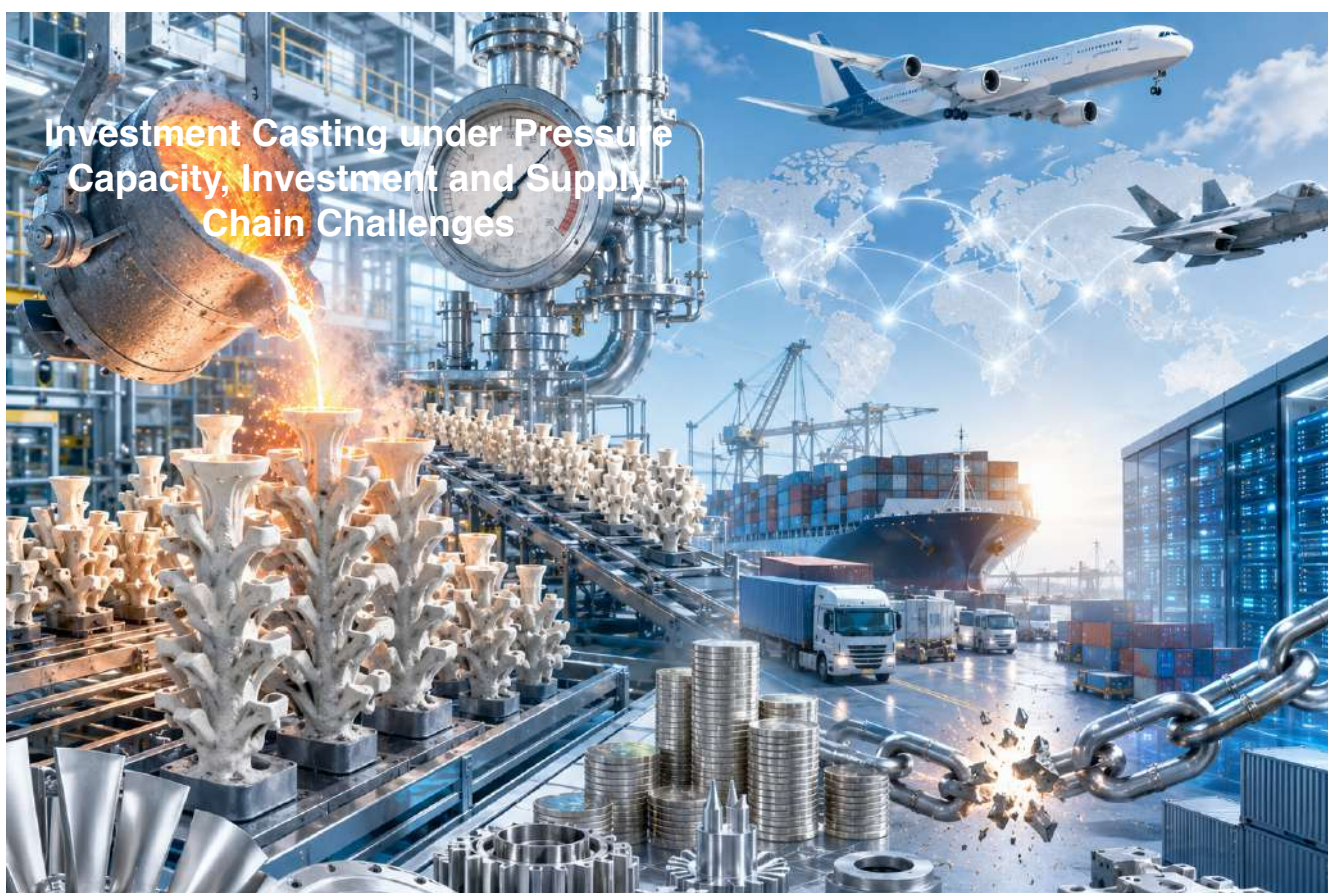


Call for Papers

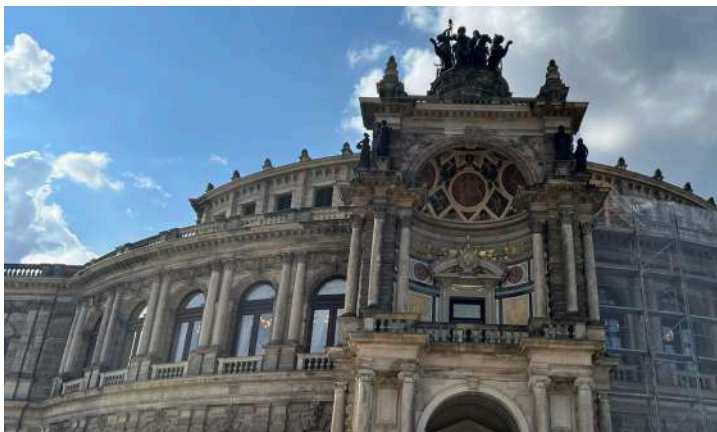
EICF 35th International Conference 2027
Lectures, Exhibition & Technical visits

ICD (International Congress Center Dresden), Dresden



Investment Casting under Pressure
Capacity, Investment and Supply
Chain Challenges

Conference Dates : 18 - 20, May 2027
Abstract Deadline : 30 December 2026



EICF 35th INTERNATIONAL CONFERENCE & EXHIBITION, DRESDEN 2027

Europe's annual Investment Casting International Conference & Exhibition returns to Germany, hosted at the ICD International Congress Center Dresden.

The theme selected for the 2027 edition is: "Investment Casting Under Pressure: Capacity, Investment and Supply Chain Challenges"

The investment casting sector continues to operate in a demanding global environment. Beyond process and product innovation, the industry's near-term competitiveness depends on how foundries plan capacity, justify investment, and secure resilient supply chains for alloys, energy and critical raw materials.

The 2027 conference will address on top of technical innovations and process advances, how capacity planning, investment strategy, and supply chain resilience will shape the investment casting sector in a period of continued economic and geopolitical uncertainty.

STRUCTURE & CONFERENCE ORGANISERS

The conference is organised by the European Investment Casters' Federation (EICF). The Conference structure in addition to the usual Technical Sessions shall incorporate the Capacity, Investment & Supply Chain Seminar as a one day track.

Further information about services and membership can be found at www.eicf.org

LANGUAGE

English will be the official language of the conference

VENUE

The ICD International Congress Center Dresden (ICD) is located at Devrientstraße 10–12, 01067 Dresden, set within a converted historic Erlwein warehouse on the banks of the Elbe river, forming part of the Maritim Hotel Dresden complex. Just a short walk from Dresden's historic old town. The ICD offers modern conference facilities for up to around 6,500 delegates across its event spaces, combining an industrial-heritage setting with contemporary technical infrastructure—an professional environment for international collaboration.



SPEAKER ABSTRACT DEADLINE

Abstract Deadline: 30th December 2026 (please note that abstracts submitted after the deadline will not be accepted).

CONFERENCE PROCEEDINGS

Presentations from the Conference Technical Sessions and Seminar, shall be published as part of the Conference Digital Proceedings and made available to registered delegates in video format, after the event.

Past seminar & conferences proceedings are also available through www.eicf.org



TO PRESENT A PAPER

Speakers are invited to submit abstracts of original, unpublished work for presentation at the Technical Sessions or at the Seminar. Commercialism in presentations is not permitted.

All abstracts must be submitted online via the dedicated portal accessible at www.eicf.org. (Ex-Ordo platform)

Papers shall be allocated to the Conference Sessions by the CTC (Conference Technical Committee). Sessions will consist of several presentations, with 20/25 minutes scheduled for each paper, plus 10/5 minutes for questions & discussion.

When assessing submitted papers, the CTC will consider:

- i. Originality and novelty of the subject
- ii. Innovation in material, process or product
- iii. Scientific outcome of R&D
- iv. Advances in manufacturing/management
- v. Use of Digitalisation and AI Tools (where applicable)
- vi. Comparisons with competitive processes and cast products
- vii. Conclusions objective substantiation
- viii. Standard of the paper and alignment with the conference theme

Presentations must be submitted in **PowerPoint format (*.pptx)**.

CONFERENCE THEME :

Investment Casting Under Pressure: Capacity, Investment and Supply Chain Challenges

Abstracts can be submitted on the following topics :

- Capacity & Operational Resilience: capacity planning and throughput improvement; flexible manufacturing under fluctuating demand; bottleneck analysis and de-bottlenecking case studies
- Investment & Business Strategy: investment decisions in equipment, technology and plant expansion; ROI and risk assessment for capacity growth; consolidation and business transformation
- Supply Chain Challenges: raw material and alloy availability; energy costs and security of supply; logistics, lead times and inventory strategy; supplier qualification and dual-sourcing
- Innovation & Research: R&D projects advancing investment casting processes and applications; casting simulation, predictive modelling and defect reduction; digital twins and AI-driven foundry optimisation
- Materials & Process Development: new alloys and high-temperature materials for aerospace and energy; ceramics, refractories and shell system innovations; sustainability and circularity under supply constraints
- Equipment & Process Innovations: new equipment and technologies for improved process control, reduced variability, automation and advanced inspection to increase capacity without compromising quality
- Digitalisation & Automation: robotics and human-machine interaction; Industry 4.0/5.0; AI and data analytics for capacity planning, quality assurance and supply chain visibility
- Additive Manufacturing: hybrid manufacturing approaches enabling faster capacity scale-up; Certification and quality assurance; design flexibility and workforce skills needs

Seminar Theme Topics : *capacity planning and investment decision frameworks for foundries. Building supply chain resilience: dual-sourcing, near shoring and risk management. Managing raw material, alloy and energy price volatility. Financing capacity expansion: investment models and access to funding. Workforce and skills implications of capacity growth. Digital tools for supply chain visibility and demand forecasting. Collaboration across the supply chain: OEMs, foundries and suppliers. Policy, regulation and geopolitical factors affecting European casting capacity*

Speaker Deadlines

Abstract Submission Deadline	30 December 2026
Programme Selection	30 January 2027
Presentation Submission Deadline	28 February 2027
Speaker Registration & Licence to Publish Agreement Deadline	30 March 2027

Abstracts Guidelines

Abstracts Structure in the following format:

1. Abstracts should be no more than 250 words in length—not including Title, Author's name, or Company & Institution's name. This limit includes all text, spaces, and punctuation.
2. The text of the abstract should consist of a single paragraph. The abstract should be factual and informative. It should adequately summarise the work to be presented, including results and conclusions.
3. Ensure that all italics, superscript, subscript, and any special characters are in place before submitting an abstract.

Conditions

The content of all abstracts will be refereed by the Conference Technical Committee, who reserve the right to reject a submission that does not meet its evaluation criteria. The inclusion of a paper in the final programme will also be dependent upon:

- i. the submission of the abstract and final presentation in requested format (*.pptx) by the official deadlines
- ii. the receipt of the Licence to Publish Agreement by the deadline
- iii. the presenting author completing his/her delegate Conference registration and payment by fixed deadline.

Note to Speakers:

All costs relating to Conference participation, including registration (special rate for Speakers), travel accommodation and subsistence expenses, to be covered by the Speaker.

CALL FOR PAPERS

The EICF invites the community of INVESTMENT CASTING, Foundries, Suppliers, Design Offices and OEM Customers, Universities, Research and Technology Organisations, to contribute, by submitting their Abstracts Proposals for the EICF 35th International Conference & Exhibition, to be held 18 - 20 May 2027 at International Congress Center (ICC), Dresden (Germany)

Appreciation is given to all contributors

Abstracts applications to be presented via EICF portal at www.eicf.org

The EICF reserves the right to modify the Conference date subject to extraordinary circumstances

About Dresden

Dresden, capital of the German state of Saxony, is one of Germany's most historic and culturally vibrant cities. Straddling the Elbe river—which earned it the nickname “Elbflorenz” (Florence on the Elbe)—Dresden had a city population of around 557,000 and a metropolitan population of roughly 1.34 million as of the most recent estimates. Its Baroque old town, largely rebuilt after the destruction of the Second World War, includes landmarks such as the Frauenkirche, the Zwinger palace, the Semperoper opera house and the Dresden Castle.

Since German reunification in 1990, Dresden has once again become a cultural, educational and political centre of Germany. The Dresden University of Technology (TU Dresden) is one of the 10 largest universities in Germany and part of the German Universities Excellence Initiative. The economy of Dresden and its agglomeration is one of the most dynamic in Germany and ranks first in Saxony. It is dominated by high-tech branches. According to the Hamburg Institute of International Economics (HWWI) and Berenberg Bank in 2019, Dresden had the seventh best prospects for the future of all cities in Germany.

Dresden is one of the most visited cities in Germany with 4.7 million overnight stays per year. Its most prominent building is the Frauenkirche located at the Neumarkt. Built in the 18th century, the church was destroyed during World War II. The remaining ruins were left for 50 years as a war memorial, before being rebuilt between 1994 and 2005. Other famous landmarks include the Zwinger, the Semperoper and Dresden Castle. Furthermore, the city is home to the Dresden State Art Collections, originating from the collections of the Saxon electors in the 16th century. Dresden's Striezelmarkt is one of the largest Christmas markets in Germany and is considered the first genuine Christmas market in the world.

Dresden is one of Europe's leading technology and semiconductor manufacturing hubs, often referred to as “Silicon Saxony”—a fitting setting for a conference addressing capacity, investment and supply chain challenges in advanced manufacturing. Its blend of industrial tradition and cutting-edge technology mirrors the conference theme: the future of investment casting shaped by resilient capacity, sound investment and robust supply chains.

