

# Call for Papers

**EICF 33rd International Conference 2025**  
Lectures, Exhibition & Industry visit

**ACC Conference & Exhibition Centre, Liverpool**



**Secure and Sustainable:  
Enhancing Supply Chain Resilience  
and Health & Safety  
in Investment Casting**

**Conference Dates : 5 - 7, May 2025**  
**Abstract Deadline : 30 November 2024**



## EICF 33rd INTERNATIONAL CONFERENCE & EXHIBITION, LIVERPOOL 2025

Europe's annual Investment Casting International Conference & Exhibition is set to come back to the UK to the City of Liverpool. The event shall be held at the prestigious ACC Conference & Exhibition Centre by the Mersey river. The theme selected for the conference is **“Secure and Sustainable: Enhancing Supply Chain Resilience and Health & Safety in Investment Casting”**

The investment casting industry has long been recognized for its precision, complexity, and ability to produce components that meet the highest standards of quality. However the global landscape has changed significantly in the wake of the pandemic and ongoing geopolitical instability. These shifts have brought about unprecedented challenges in the fields of Supply Chain and Health & Safety that call for an equally unprecedented response from foundries and related industries

### STRUCTURE & CONFERENCE ORGANISERS

The conference is organized by the European Investment Casters' Federation (EICF). The Conference structure in addition to the usual Technical Sessions shall incorporate the **Additive Manufacturing in Investment Casting Seminar** as a one day track.

Further information about services and membership can be found at [www.eicf.org](http://www.eicf.org)

### LANGUAGE

English will be the official language of the conference

### VENUE

An outstanding conference and event venue on Liverpool's iconic waterfront. On the banks of the River Mersey at the heart of the city's iconic waterfront, ACC Liverpool is a world-class facility in a unique setting



### SPEAKER ABSTRACT DEADLINE

Abstract Deadline: 30th November 2024 (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 in the Conference Video Proceedings and these will be made available to delegates through registration in digital format.

Past seminar & conferences proceedings are also available through [www.eicf.org](http://www.eicf.org)



### TO PRESENT A PAPER

Speakers are invited to submit abstracts of papers for presentation in the Technical Sessions of the Conference based on the event theme **“Secure and Sustainable: Enhancing Supply Chain Resilience and Health & Safety in Investment Casting”**, or in the **AMIC Seminar**. These should be of original and unpublished work. Commercialism in presentations, will not be permitted.

Papers shall be allocated to the sessions by the TCC (Technical Conference Committee). It is planned that sessions will each contain several presentations, with 20/25 minutes scheduled for each paper, plus 10/5 minutes for questions & discussion.

When assessing submitted papers, the TCC will consider:

- i. the originality and novelty of the subject
- ii. Innovation on material, process or product
- iii. scientific outcome of R&D
- iv. advance in manufacturing/management
- v. comparisons with competitive processes and cast products
- vi. the standard of the paper and its consistency with the conference theme

Presentations shall be submitted in **PowerPoint format (\*.pptx)**.

CONFERENCE THEME :

**Secure and Sustainable:  
Enhancing Supply Chain Resilience and Health & Safety in Investment Casting**

Abstracts can be submitted on the following topics :

- Supply Chain solutions to the new Market situation.
- Exploring supplier diversification to mitigate disruptions.
- Role of Digitalization and Industry 4.0 in Strengthening Investment Casting Supply Chains
- How digital tools, data analytics, and AI can predict and manage supply chain risks.
- Evolution and complexity of component design in the light of revised OEM requirements
- Sustainable Sourcing: Integrating Environmental Considerations into Investment Casting Supply Chains
- Case Studies on Investment Casting Supply Chain Reconfiguration
- Research into alternative materials and alloys to reduce dependency on scarce raw materials.
- Risk Management Frameworks for Resilient Investment Casting Supply Chains
- Circular Economy Models: Reducing Waste and Increasing Supply Chain Security
- Inventory Buffering and Strategic Stockpiling: Finding the Right Balance for Resilience
- Health & Safety in Automated Investment Casting Processes: New Challenges and Solutions
- How AI can predict and prevent workplace accidents and health risks
- Effective auditing systems to ensure compliance with regulatory standards and improve safety outcomes.
- Mental Health and Well-being in Foundries: Addressing the Psychological Impact of Modern Manufacturing
- Innovations in materials, processes and equipment supporting supply chain resilience and Health & Safety
- New PPE technologies that ensure worker safety in the harsh environments of investment casting.

**Additive Manufacturing in Investment Casting Seminar**

- Hybrid Manufacturing: Combining Additive and Traditional Casting Techniques. State of the art
- Economic impact and long-term benefits of integrating AM technologies into investment casting foundries.
- Challenges in applying additive manufacturing to produce large-scale, complex castings. State of the art
- AM in Investment Casting - Certification & Quality Requirements
- Material Innovations in Additive Manufacturing for Investment Casting Applications
- Design flexibility of AM to create intricate and highly optimized components
- Improving Casting Precision and Surface Finish with Additive Manufacturing

**Speaker Deadlines**

<b>Abstract Submission Deadline</b>	<b>30 November 2024</b>
<b>Programme Selection</b>	<b>30 December 2024</b>
<b>Presentation Submission Deadline</b>	<b>28 February 2025</b>
<b>Speaker Registration &amp; Licence to Publish Agreement Deadline</b>	<b>30 March 2025</b>

**Abstracts Structure**

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 summarize the work to be presented, including results and conclusions.
3. Take care to make sure 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 Technical Conference Committee, who reserve the right to reject a paper 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 Organizations, to contribute, by submitting their Abstracts Proposals for the EICF 33rd International Conference & Exhibition, that will take place from 5 to 7 of May 2025 at ACC Liverpool venue in Liverpool (United Kingdom)

Appreciation is given to all contributors

***Abstracts to be sent to [colabe@icf.org](mailto:colabe@icf.org)***

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

## About Liverpool

Liverpool is a cathedral, port city and metropolitan borough of Merseyside, England. It had a population of 496,770 in 2022. The city is located on the eastern side of the Mersey Estuary, adjacent to the Irish Sea, and is approximately 178 miles (286 km) from London. Liverpool is the fifth largest city in the United Kingdom, the largest settlement in Merseyside and part of the Liverpool City Region, a combined authority with a population of over 1.5 million.

Ongoing regeneration combined with the hosting of internationally significant events has helped to re-purpose Liverpool as one of the most visited, tourist orientated, cities in the United Kingdom. City leaders are focussing on long-term strategies to grow the city's population and economy, while national government explores the continuous potential for devolution in the city.

