

# PRESS RELEASE

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## Foundry Industry: Interdisciplinary Networking Event "InCeight Casting C<sup>8</sup>" from March 5 to 6, 2025

To ensure Germany remains competitive as a location for the foundry industry, the German Foundry Association (Bundesverband der Deutschen Gießerei-Industrie e.V. - BDGuss) has recently outlined several measures, including reducing energy costs, conserving resources, reforming environmental legislation, and achieving climate neutrality. Therefore, the interdisciplinary congress for high-performance cast components "InCeight Casting C<sup>8</sup>" will take place from March 5 to 6, 2025 combining experts and decision-makers from the foundry industry to exchange ideas on design and product development, structural durability, non-destructive component testing, casting technology and simulation - with the aim of developing high-performance and sustainable components. The program and registration are now available online.

The international congress "InCeight Casting C<sup>8</sup>" from March 5 to 6, 2025 in Stockstadt (Rhine), Germany, will focus on presentations, discussions and workshops covering topics such as design and product development, structural durability, non-destructive testing, foundry technology and simulation.

In its third edition, the thematic focus of InCeight Casting Congress 2025 is material and process development. Optimizing and developing new materials, casting methods, and simulation processes has a direct influence on the quality, efficiency and sustainability of cast products. Advances in research and development must be consistently implemented in new products and innovations, aiming for increasing production and application efficiency as well as product sustainability. In addition, new materials and processes enable innovative applications and the development of new markets.

### Research and development for new materials and more efficient processes

Today, more than ever, investing in research, development and knowledge expansion is essential. The international congress "InCeight Casting C<sup>8</sup>" is intended to be a platform for exchange and advancement, encouraging collaboration and innovation across disciplines. Participants from academia and different industrial sectors such as vehicle construction, casting production and processing, mechanical and plant engineering, energy generation and circular economy sectors will come together to discuss the diverse requirements for high-performance, efficient and sustainable cast products.

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**Editorial office**

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**FRAUNHOFER INSTITUTE FOR STRUCTURAL DURABILITY AND SYSTEM RELIABILITY LBF**

Organized by the Fraunhofer Institute for Structural Durability and System Reliability LBF, the international congress "InCeight Casting C<sup>8</sup>" will take place for the third time from 5 to 6 March 2025. Held biennially, the congress provides a forum for sharing experiences and knowledge across disciplines. "All areas involved in the 'cast component' product life cycle are invited to share their ideas, from design to the selection of a suitable R strategy, in order to tap into shared learning effects and innovation potential" says congress manager Dr. Christoph Bleicher.

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**Program and registration:**[https://www.inceight-casting.com/en.html?utm\\_source=pi-en-icc25](https://www.inceight-casting.com/en.html?utm_source=pi-en-icc25)**More information on the international congress »InCeight Casting C<sup>8</sup>«**

The international congress "InCeight Casting C<sup>8</sup>" contributes to active networking and offers a targeted stage for exchange among all disciplines involved in the product development process. The Fraunhofer Institute for Structural Durability and System Reliability LBF in Darmstadt organized this congress for the first time in 2021. The event is supported by the Federal Association of the German Foundry Industry BDG, the German Society for Non-Destructive Testing DGZfP, the Det Norske Veritas Group DNV and the German Engineering Federation VDMA Metallurgy.

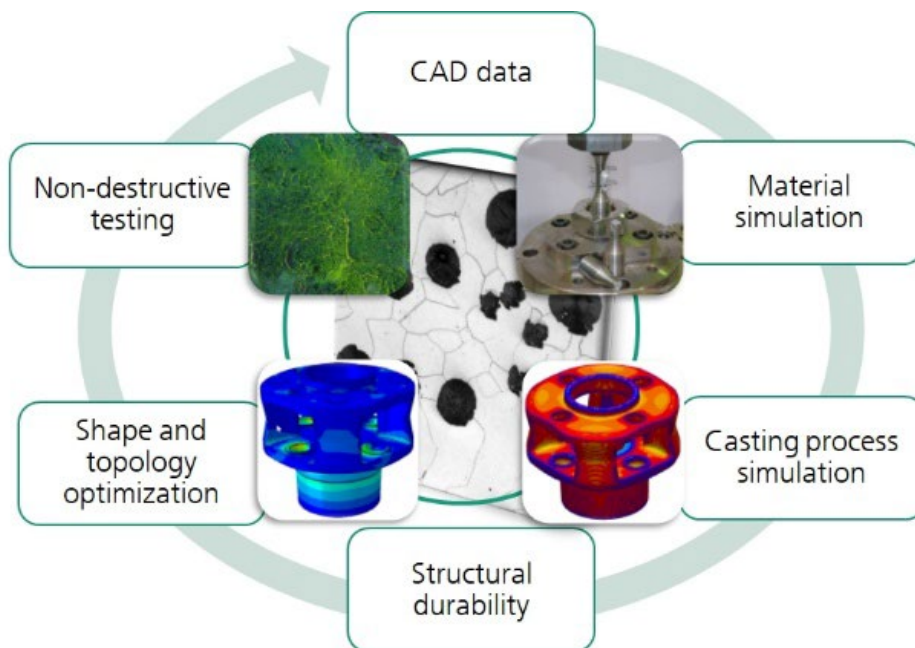
The central goal of the congress is to establish networks that enable participants to gain insights and understanding beyond their own disciplines. This helps address the concerns, challenges, and needs of others involved in the design, assessment, simulation, casting, or quality assurance of components. Feedback from previous congresses confirms the concept: »The participants in the interdisciplinary forum for casting come in roughly equal numbers from foundries, casting users and research - perfect for an overarching exchange«, and »We are convinced by the content concept and see the 'InCeight Casting' congress as a relevant event for our industry«.

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The **Fraunhofer Institute for Structural Durability and System Reliability LBF** in Darmstadt has stood for the safety and reliability of lightweight structures since 1938. With its expertise in the fields of structural durability, system reliability, vibration technology and polymer technology, the institute today offers solutions for three important cross-cutting topics of the future: lightweight system design, functional integration and cyber-physical mechanical engineering systems. The focus is on solutions for social challenges such as resource efficiency and emission reduction as well as future mobility, such as electromobility and autonomous, networked driving. Clients come from sectors such as vehicle construction, aviation, mechanical and plant engineering, energy technology, electrical engineering, medical technology and the chemical industry. They benefit from the proven expertise of around 390 employees and state-of-the-art technology in more than 17,900 square meters of laboratory and testing space. [www.lbf.fraunhofer.de](http://www.lbf.fraunhofer.de)

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Interdisciplinary exchange for competitive cast products. The international congress and exhibition "InCeight Casting C<sup>8</sup>" at Coreum, Stockstadt (Rhine), Germany, brings together expertise, shares knowledge and aims to motivate the industry to continue investing in research and development.

Graphic: Fraunhofer LBF

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