

# PRESS RELEASE

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## Congress "InCeight Casting C<sup>8</sup>" interdisciplinary network for the foundry industry, March 5 to 7, 2025

The energy crisis, material shortages, lack of skilled workers and inflation are limiting the competitiveness of the German foundry industry. There is a great need to produce more efficiently and sustainably. In addition to digitalization, efficiency increases can be driven forward in particular through increased networking between those involved in the development process from industry and research. The international congress "InCeight Casting C<sup>8</sup>", from March 5 to 7, 2025 in Stockstadt, offers this interdisciplinary exchange of knowledge and interests for the third time with in-depth specialist presentations, workshops and panel discussions with the aim of learning from each other and thus remaining fit for the future.

The focus of the presentations is on combining methods and expertise from different disciplines with the aim of developing a common understanding of the various requirements for high-performance and efficient cast products.

### Call for Papers until May 15, 2024

Presentations on efficient lightweight design, new ideas in product development and findings from fatigue strength, simulation, non-destructive testing, and foundry technology make up the program. Interested parties from the fields of research and development, design, production and quality assurance in energy technology, mechanical and plant engineering or vehicle construction are invited to contribute their presentation topic.

[Entries](#) can be [submitted here](#) until May 15, 2024.

All contributions will be published in a citable conference volume and will be available as open access after one year.

### More information about the event

The international congress "InCeight Casting C<sup>8</sup>" contributes to active networking and offers a targeted exchange of all disciplines involved in the product development process. The international congress "InCeight Casting C<sup>8</sup>" enables this. The Fraunhofer Institute for Structural Durability and System Reliability LBF in Darmstadt organized this congress for the first time in 2021. The Federal Association of the German Foundry

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

Industry BDG, the German Society for Non-Destructive Testing DGZfP, the Det Norske Veritas Group DNV and the German Engineering Federation VDMA support this congress.

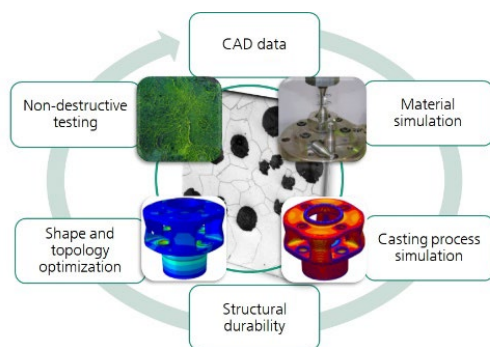
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The central aim of the congress is to create networks to gain a feeling for and understanding of the concerns, needs and requirements of others beyond one's own discipline, which concern them in the design, dimensioning, simulation, casting, or quality assurance of each component. Feedback from the first congress 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".

More information and registration via [www.inceight-casting.de](http://www.inceight-casting.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, combines expertise, pools knowledge, and motivates the industry. Graphic: Fraunhofer LBF**

**Fraunhofer LBF** in Darmstadt has stood for the **safety and reliability of lightweight structures** for more than 85 years. Today, with its expertise in the areas of structural durability, system reliability, vibration technology and polymer technology, the Institute provides solutions for three of the most important cross-cutting issues of the future: lightweight design, functional integration and cyberphysical mechanical engineering systems. The focus here is on solutions to social challenges such as resource efficiency and emission reduction as well as future mobility, like e-mobility and autonomous, networked driving. Comprehensive skills ranging from data acquisition in real operational field use to data analysis and data interpretation, in addition to deriving specific measures to design and improve material, component and system properties form the basis for this. Customers come from automotive and commercial vehicle construction, railway transport engineering, shipbuilding, aviation, machine and plant construction, power engineering, electrical engineering, medical engineering, and the chemical industry. They benefit from the proven expertise of 400 employees and cutting-edge technology accommodated in more than 17,900 square meters of laboratory and experimental space. [www.lbf.fraunhofer.de](http://www.lbf.fraunhofer.de)

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