

GTK Colloquium 2025

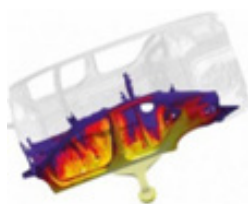
05. – 06. March 2025

GLOBAL GIGA-CASTING CONGRESS

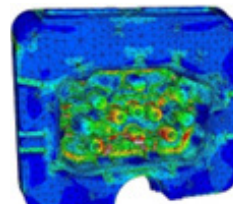
## Invitation to the first - Global GIGA-Casting Congress - in Kassel, Germany



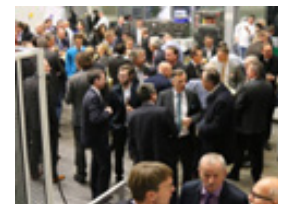
9.100 t GIGA-casting cell, BÜHLER



Underbody, MAGMA



New Die-Concept, GTK



GTK-Colloquium 2023

Come to the first international GIGA-Casting Congress with excellent lectures from technology and strategy experts regarding the future for new automotive casting concepts and enjoy our Foundry-Evening with the wonderful atmosphere of the “Alte Brüderkirche” (Old Brothers Church) in Kassel, Germany!



## CALL FOR PAPERS

The first Global GIGA-Casting Congress in Kassel on March 5th to 6th, 2025 is addressed to people from all over the world, who are interested in new GIGA-Casting developments and applications.

The congress is hosted by the Chair for Foundry-Technology GTK at the University of Kassel in cooperation with ALUMAG Automotive GmbH.

The congress offers an excellent opportunity for international exchange on topics relating on new GIGA-Casting technologies and strategies.

If you are interested to give an excellent 25 min lecture, please send a one-pager abstract to >> [n.schwenke@uni-kassel.de](mailto:n.schwenke@uni-kassel.de)

The following topics of GIGA-Casting can be addressed:

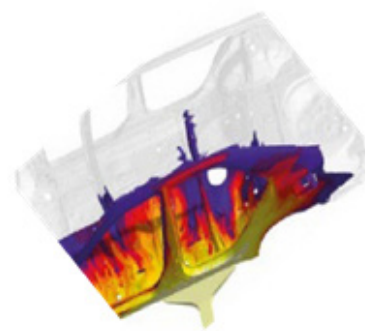
- GIGA-Casting strategies of OEM and Suppliers
- Concepts for: Car designs, HPDC plants and tools
- Alloys, machining, part treatment, simulation
- Thixomolding
- Calculations & research
- Implementation experiences / best-practice
- Global market development & transformation



9.100 t GIGA-casting cell, BÜHLER



Dual shot, LK



Simulation of a one part underbody, MAGMA

## PROGRAM — *under construction!*

### 1. DAY - March 5, 2025

09:00 Registration and Exhibition, Campus Center

#### Welcome & Introduction Congress

„Welcome and Opening“

Prof. Dr.-Ing. M. Fehlbier, GTK - University of Kassel

Strategy GIGA-Casting

Confirmed: Sandy Munro

Market Overview GIGA-Casting

Jost Gärtner, Alumag Automotive GmbH

#### ASIAN WORLD

##### STRATEGIES AND CONCEPTS FOR GIGA-CASTING

CFA - China Foundry Association:

Overview Chinese Foundry-Industry

Confirmed: Sen. Prof. Libo Zhang

GIGA-Casting Machines

Considered: LK / HAITIAN / UBE / etc.

Large structural client caster

Contacted: HONGTU / MILLISON / WENCAN / WENFANG / etc.

##### LUNCH & EXHIBITION

HONDA GIGA-Casting

Confirmed: Kenichi Kawasaki, GM & Sen. Chief Engineer

GIGA-Casting Strategy & Globalization

Contacted: BYD / TOYOTA / NISSAN / HYUNDAI / etc.

GIGA-Casting Strategy & Globalization

Contacted: BYD / TOYOTA / NISSAN / HYUNDAI / etc.

##### COFFEE BREAK & EXHIBITION

GIGA Mold Making

Contacted: NINGBO / etc.

Mg-Thixomolding/GIGA-Casting

Stefan Fritsche, Chief Strategy Officer, YIZUMI

Chinese Magnesium Strategy

Contacted: BAOWU / SAE / etc.

19:00 Foundry-Evening and conference dinner  
in the Alte Brüderkirche (Old Brothers Church)

### 2. DAY - March 6, 2025

08:30 Registration and Exhibition, Campus Center

#### WESTERN WORLD – Europe / America

##### STRATEGIES AND CONCEPTS FOR GIGA-CASTING

OEM Strategy (GIGA-)Casting, Markets

Frank Wimmer, Commodity Leader, BMW AG

OEM/Supplier Structural Castings

NN, Volkswagen AG

Stefan Kneer, Head of Engineering and Business Development,

Albert Handtmann Metallgusswerk GmbH & Co. KG

OEM Strategy (GIGA-)Casting

Contacted: GM / FORD / TESLA / STELLANTIS / etc.

##### COFFEE BREAK & EXHIBITION

Out of the box: move from process to product

Contacted: LINAMAR / NEMAK / BOCAR / MAGNA / etc.

Out of the box: move from process to product

Contacted: DYNATOOL / RVIAN / etc.

GIGA-Casting Machines: Future concepts

Cornel Mandler, Managing Director, Bühler Die Casting

##### LUNCH & EXHIBITION

GIGA Mold Making

Considered: SCHAUFLER / COSTAMP / VOLVO / TESLA / etc.

15:00 New Die Tempering Concepts: Variothermic-System

A. Haban / Prof. Dr.-Ing. M. Fehlbier, GTK - University of Kassel

15:30 Podium discussion

Expert speakers

Prof. Dr.-Ing. M. Fehlbier, GTK - University of Kassel

Jost Gärtner, Alumag Automotive GmbH

16:30 Final word

Prof. Dr.-Ing. M. Fehlbier, GTK - University of Kassel

*All presentations will be simultaneously translated by professionals (depending on the number of registrations).*

*chinese <> english - japanese <> english  
german > chinese / japanese / english*



**Congress:**  
University of Kassel - Campus Center  
Moritzstraße 18, 34225 Kassel



**Foundry-Evening:**  
Alte Brüderkirche  
Renthof 3, 34117 Kassel



# GLOBAL GIGA-CASTING CONGRESS

## Kassel, Germany - 05.-06. March 2025

### REGISTRATION

The congress fee includes catering and the foundry-evening (categories):

- 950 € Standard price
- 750 € Members of the GTK – Industry-Promotion-Circle
- 450 € Seniors & members from research institutes
- 150 € Students
  
- 1.950 € Exhibitor incl. 1 participant (area ca. 1,5 m x 2 m)  
For larger spots you are invited to become a sponsor of the congress (gold / silver).  
Please contact: [k.bohl@uni-kassel.de](mailto:k.bohl@uni-kassel.de)

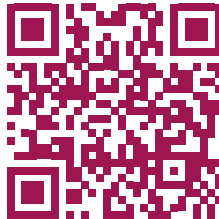
All prices are plus VAT

Registration is possible until January 31, 2025.

Cancellation is possible for free until February 14, 2025.

Please use our online registration:

[www.gtk.uni-kassel.de](http://www.gtk.uni-kassel.de)  
> Global Giga-Casting Congress 2025



#### Contact office

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#### Contact visa

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