

GTK Colloquium 2025

05.–06. March 2025



GLOBAL GIGA-CASTING CONGRESS

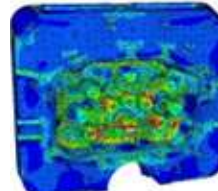
Invitation to first - Global GIGA-Casting Congress - in Kassel, Germany



Casting cell Bühler, 9.100t



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 Brother-Church) in Kassel !



CALL FOR PAPERS

The first Global GIGA-Casting Congress in Kassel on March 5th & 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

The following topics of GIGA-Casting can be addressed:

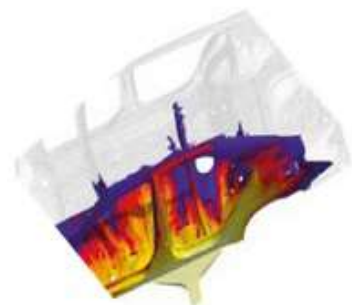
- GIGA-Casting strategies of OEM and Suppliers
- Concepts for: car designs, die casting plants and tools
- Alloys, machining, part treatment, simulation
- Thixomolding
- Calculations & research
- Implementation experiences / best-practice
- Global marked development & transformation



Giga-Casting cell Bühler,
9.100t



LK: dual shot



Simulation of a one part
underbody, MAGMA

PROGRAM – *under construction!*

1. DAY - 05. March 2025

09:00 Registration and Exhibition, Campus Center

Welcome & Introduction Congress

10:00 „Welcome and Opening“
Prof. Dr.-Ing. M. Fehlbier, GTK

10:15 Market Overview GIGA-Casting
Jost Gärtner, ALUMAG

ASIAN WORLD
STRATEGIES AND CONCEPTS FOR GIGA-CASTING

10:45 CFA - China Foundry Association:
Overview Chinese Foundry-Industry
Considered: Sen. Prof. Libo Zhang

11:15 GIGA-Casting Machines
Considered: LK / HAITIAN / UBE / YIZUMI / etc.

11:45 Large structural client caster
Considered: HONGTU / MILLISON / WENCAN / WENFANG / etc.

12:15 LUNCH & EXHIBITION

13:45 HONDA GIGA-Casting
Confirmed: Kenichi Kawasaki, GM & Sen. Chief Engineer

14:15 GIGA-Casting Strategy & Globalization
Considered: BYD / TOYOTA / NISSAN / HYUNDAI / etc.

14:45 GIGA-Casting Strategy & Globalization
Considered: BYD / TOYOTA / NISSAN / HYUNDAI / etc.

15:15 COFFEE BREAK & EXHIBITION

16:00 GIGA Mold Making
Considered: NINGBO / etc.

16:30 GIGA-Thixomolding
Considered: YIZUMI / BOLE / JSW / etc..

17:00 Chinese Magnesium Strategy – up to 45 kg mg-castings per car
Considered: BAOWU / SAE / etc.

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

2. DAY - 06. March 2025

08:30 Registration and Exhibition, Campus Center

WESTERN WORLD – Europe / America
STRATEGIES AND CONCEPTS FOR GIGA-CASTING

09:00 OEM Strategy (GIGA-)Casting
Considered: BMW / VW / AUDI / DAIMLER / VOLVO / RENAULT / etc.

09:30 OEM Strategy (GIGA-)Casting
Considered: GM / FORD / TESLA / STELLANTIS / etc.

10:00 Supplier Structural Castings
Considered: HANDTMANN / NEMAK / MAGNA / etc.

10:30 COFFEE BREAK & EXHIBITION

11:15 Out of the box: move from process to product
Considered: LINAMAR / NEMAK / BOCAR / MAGNA / etc.

11:45 Out of the box: move from process to product
Considered: DYNATOOL / RVIAN / etc.

12:15 GIGA-Casting Machines
Considered: BÜHLER / IDRA / ITAL PRESSE / etc.

12:45 LUNCH & EXHIBITION

14:00 GIGA Mold Making
Considered: SCHAUFLENER / COSTAMP / VOLVO / TESLA / etc.

14:30 Semi-Solid Casting Concepts
Considered: COMPTech / GISSCO / MAXIMOLDING / etc.

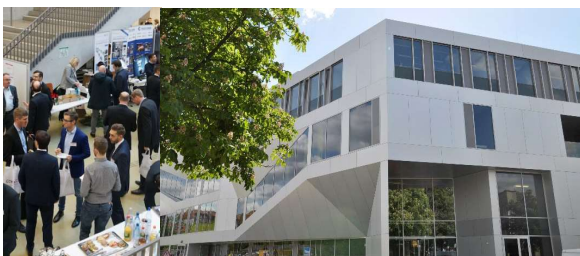
15:00 New Die Tempering Concepts: Variothermic-System
Confirmed: A. Haban / Prof. M. Fehlbier, GTK – University Kassel

15:30 Podium discussion

16:30 Final word

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

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



Congress:
Kassel University - 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 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. 1,5m x 2m)
For larger spots you are invited to become a sponsor of the congress (gold / silver).
Please contact: 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
> Global Giga-Casting Congress 2025



Contact secretary

Mrs. Sohal Amini / Mrs. Susanne Werner

E-Mail: sekretariat-gtk@uni-kassel.de

Phone: +49 561 - 804 7596



Prof. Dr.-Ing. Martin Fehlbier
Chair for Foundry-Technology – GTK
University of Kassel, Germany
www.gtk.uni-kassel.de

Mr JOST GAERTNER, Managing Partner
j.gaertner@alumag.com, +49 172 6000569
alumag.com