

PRESS INFORMATION

Release:

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PRESS RELEASE

Hannover Fair 2018 – Forging Companies Represented with Current Industry Trends at the Integrated Lightweight Plaza Forum

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Forging companies will come together this year at the Integrated Lightweight Plaza Forum of Hannover Messe in Hall 5 with an exhibition space spanning 20m².

The Integrated Lightweight Plaza is centrally located and will showcase lightweighting technologies achieved with different materials or processes and across various industries, providing trade visitors and exhibitors with direct access to practice-oriented innovations. The focus will be on cross-sector solutions in the areas of lightweighting, industrial technologies and core industries. The Lightweight Plaza will provide a platform for direct exchange with experts along the lightweighting process chain.

The forging exhibition will not only concentrate on the topic of lightweight forging but also on industry trends such as Forging 4.0, energy efficiency, electromobility and additive manufacturing. The exhibition booth will provide a meeting point for forging companies and their customers. Here, experts will be at hand to provide information on current topics. "Although the forging exhibition will be smaller than in the previous years, visitors can be sure of receiving high-quality information on everything to do with forging technology and the forging industry at our booth," says Tobias Hain, General Manager of the German Forging Association (Industrieverband Massivumformung e. V.).

Another highlight will be Speakers' Corner, located directly at the Integrated Lightweight Plaza. Speakers' Corner will take a look at the topic of lightweighting in all its facets, from lightweighting achieved with the use of certain materials or by means of design through to innovative joining technologies. In this way, the entire spectrum of modern lightweighting will be represented in the form of presentations. As a project partner of The Lightweight Forging Initiative, Dr. Udo Zitz, Head of Engineering at Hammerwerk Fridingen GmbH, will be holding a presentation on Tuesday, 24 April 2018 entitled "LIGHTWEIGHT forging – Automotive Lightweight Design through Forging". The successful five-year collaboration among the companies of The Lightweight Forging Initiative under the auspices of the German Forging Association and the VDEh Steel Institute (Stahlinstitut VDEh) is currently continuing with around 39 international partners in project phase III.

Among the aspects under analysis is the lightweight design potential of forged components in the powertrain and chassis of a hybrid car – a vehicle type which will become increasingly important over the next few years up to the complete electrification of passenger cars. Furthermore, an additional focus will be on the transmission and powertrain of a heavy commercial vehicle, including the drive shaft and differential. Accompanying studies on the transmission will determine the primary and secondary effects of lightweighting for the transmission of a hybrid vehicle and a truck. Another study will clarify which information is necessary for introducing newly developed higher-strength transmission steels at the user end.

On Tuesday, 24 April 2018, from 2:00 p.m. until 5:00 p.m., the German Forging Association will be additionally offering six presentations at the Forum Industrial Supply in Hall 4 on the topics of “Current Developments in Forging”, “Collaboration between the Association and Medium-Sized Companies”, “Hybrid Forging”, “Energy Efficiency”, “Lightweight Forging” and “Bionics – Additive Manufacturing”.

(Characters: 3,485)

Caption

Image: Dipl.-Wirt.-Ing. Tobias Hain, General Manager, German Forging Association (Industrieverband Massivumformung e. V.)



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Industrieverband Massivumformung e. V. (German Forging Association)

Industrieverband Massivumformung e.V., with its 120 members, represents the interests of the industry with sales of 6.7 billion euros and almost 30,000 employees. A core task is organising collaboration across the member companies, most of which are medium-sized businesses, with the aim of working together to increase the competitiveness of the individual firms. Germany is the technology leader when it comes to forging and, after China, is the world's largest producer of forged parts.