

KIT Institute for Automotive Systems Technology -FAST

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

Automotive Engineering, Mobile Machinery, Railway Systems Engineering and Lightweight Construction - these four independent departments represent a broad and attractive range of courses in mechanical engineering.

Comprehensive expertise in vehicle systems technology and a competent partner for industry - this is what qualifies the FAST at KIT. Passenger cars, commercial vehicles, mobile machinery and rail vehicles are at the centre of our research into vehicle concepts of the future. Students and young scientists will find demanding challenges and prospects here!

Rintheimer Querallee 2
76131 Karlsruhe
Baden-Württemberg
Germany
www.fast.kit.edu/



Organisation type

Non-university research institution

Sectors



Employees

50 up to 249

Turnover

n/a

Funding

Main areas covered Railway systems technology, Automotive engineering, Mobile working machines, Lightweight construction technology

Infrastructure

Certifications

Keywords

Memberships Lightweight construction BW

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants	✓		
<i>Services & consulting</i>			
Field of technology			
Design & layout Hybrid structures	✓		
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
Forming			
Impact extrusion		✓	
<i>Joining</i>			
<i>Material property alteration</i>			
Primary forming			
Injection moulding		✓	
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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