Chair of Materials and Joining Technology IWF - Chair of Joining Technology

About this organisation

Machine translation

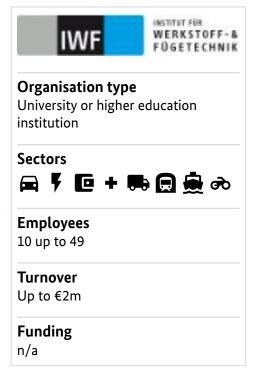
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The Chair of Joining Technology is part of the Institute of Materials and Joining Technology at Otto von Guericke University Magdeburg.

Research projects and industrial projects on joining.
Research and realisation of joining solutions for lightweight construction in automotive and rail vehicle construction.
Resistance spot welding and brazing of high-strength steels and mixed joints. Arc welding and brazing of lightweight steel and aluminium structures. Additive manufacturing with a focus on WAAM.

Universitätsplatz 2 39106 Magdeburg Saxony-Anhalt Germany

☑ www.schweissen.ovgu.de/



Main areas covered	Joining technology, welding technology
Infrastructure	Joining laboratories for welding, joining
Certifications	
Keywords	Welding, joining, materials
Memberships	German Welding Association

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Overview of lightweighting expertise					
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	Research	N Development	Manufacturing & Supply		
Offer					
Products Materials	✓	✓			
Services & consulting Training, Consulting, Testing and trials, Funding, Engineering, Prototyping, Validation, Simulation, Technology transfer	✓	✓			
Field of technology					
Design & layout					
Functional integration					
Measuring and testing technology					
Modelling and simulation					
Plant construction & automation					
Recycling technologies					

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Overview of lightweighting expertise Machine translation This organisation has been machine-translated based on data provided in German.					
Manufacturing process					
Additive manufacturing Deposition welding, Others (Arc-based AM process (WAAM))	✓	✓			
Coating (surface engineering)					
Fibre composite technology					
Forming					
Joining Hybrid joining, Adhesive bonding, Soldering, Riveting, Screwing, Welding	✓	✓			
Material property alteration Thermomechanical treatment, Heat treatment, Others (Mould hardening)	✓	✓			
Primary forming					
Processing and separating					
Textile technology					

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Overview of lightweighting expertise						
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	Research	Development	Manufacturing & Supply			
Material						
Biogenic materials						
Cellular materials (foam materials)						
Composites						
Fibres						
Functional materials						
Metals Aluminium, Magnesium, Steel	✓	✓				
Plastics						
Structural ceramics						
(Technical) textiles						

Contacts

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