Darmstadt University of Technology

Department of System Reliability, Adaptronics and Machine Acoustics SAM

About this organisation

Machine translation

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

The Machine Acoustics working group in the SAM department researches methods and procedures to improve the noise quality of machines at both component and system level.

- Acoustic design for mastering lightweight construction and acoustics - Acoustic condition monitoring for the lightweight construction of additively manufactured components

Otto-Berndt-Str. 2
64287 Darmstadt
Hesse
Germany
www.sam.tu-darmstadt.de

Organisation type
University or higher education institution

Sectors
No specific sector

Employees
10 up to 49

Turnover
n/a

Funding

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About this organisation

Main areas covered	Acoustics, structure-borne sound, reliability, Adaptronics
Infrastructure	Anechoic chamber, Low-reflection half-space, Reverberation chamber, 3D laser vibrometry
Certifications	
Keywords	
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting Training, Technology transfer	✓	✓	

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Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology Component and part analysis	✓	✓	
Modelling and simulation Multiphysics simulation, Reliability validation, Others (Acoustics, structural dynamics)	✓	✓	
Plant construction & automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing 3D printing, Selective laser sintering (SLS)	✓	✓	
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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, Steel	✓	✓	
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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