

Bochum University of Applied Sciences

Department of Architecture, Digital Design, Planning and Building

About this organisation

Department of Digital Design, Planning and Building of the Hochschule Bochum.

The department for Digital Design, Planning and Construction specialises in digital automated construction methods and functionally integrated building design.

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www.hochschule-bochum.de/fba/team/kollegium/pfeiffer-sven/

Hochschule Bochum
Bochum University
of Applied Sciences



Organisation type

University or higher education institution

Sectors

No specific sector

Employees

500 and more

Turnover

Up to €2m

Funding

About this organisation

Main areas covered

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|------------------------|
| Offer | | | |
| Products Software & databases, Others | ✓ | ✓ | |
| Services & consulting Training, Testing and trials, Prototyping, Simulation, Others | ✓ | ✓ | |
| Field of technology | | | |
| Design & layout Hybrid structures, Lightweight construction concepts | ✓ | ✓ | ✓ |
| Functional integration Media conductivity, Sensor technology | ✓ | | |
| <i>Measuring and testing technology</i> | | | |
| Modelling and simulation Optimisation | ✓ | | |
| <i>Plant construction & automation</i> | | | |
| <i>Recycling technologies</i> | | | |

Overview of lightweighting expertise

| | Research | Development | Manufacturing & Supply |
|--|----------|-------------|---------------------------|
| Manufacturing process | | | |
| Additive manufacturing 3D printing | ✓ | ✓ | ✓ |
| Coating (surface engineering) | | | |
| Fibre composite technology | | | |
| Forming | | | |
| Joining | | | |
| Material property alteration | | | |
| Primary forming | | | |
| Processing and separating | | | |
| Textile technology | | | |
| Material | | | |
| Biogenic materials Biocomposites, Wood, Others | ✓ | | |
| Cellular materials (foam materials) | | | |
| Composites | | | |
| Fibres | | | |
| Functional materials | | | |
| Metals | | | |
| Plastics | | | |
| Structural ceramics | | | |
| (Technical) textiles | | | |

Contacts

Contacts

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