NanoMicroMaterialsPhotonics.NRW cluster

NRW state cluster

About this organisation

Machine translation

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

The NRW state cluster NanoMikroWerkstoffePhotonik.NRW (NMWP.NRW) acts on behalf of the public sector as part of the Excellence Initiative of the North Rhine-Westphalian state government to strengthen NRW's position in the fields of nanotechnology, microtechnology, new materials and optical technologies. The field of lightweight construction - focussing on all classes of materials - and their compounds is one of NMWP.NRW's main areas of focus.

Like nano- and microtechnology and photonics, the technology area of new materials is a strategically important cross-sectional technology and one of the four key topics of the NanoMikroWerkstoffePhotonik.NRW cluster. In the field of new materials, the cluster addresses topics relevant to lightweight construction such as lightweight fibre composites, new types of metal alloys, hybrid structures and also manufacturing processes relevant to lightweight construction such as additive manufacturing.

Merowingerplatz 1
40225 Düsseldorf
North Rhine-Westphalia
Germany
www.nmwp.de

Organisation type
Cluster

Sector
Others: Neue Werkstoffe und Leichtbau, Nanotechnologie, Mikrosystemtechnik, Photonik

Employees
10 up to 49

Turnover
n/a

Funding
n/a

Main areas covered
Innovation support, Networking, Knowledge and technology transfer

Infrastructure

Certifications

Keywords

Memberships

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting Consulting, Funding, Others: null	✓	✓	✓
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation			
Plant construction & factory automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
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			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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