

# 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](http://www.nmwp.de)

#### Main areas covered

Innovation support, Networking, Knowledge and technology transfer

#### Infrastructure

#### Certifications

#### Keywords

#### Memberships



#### Organisation type

Cluster

#### Sector



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

#### Employees

10 up to 49

#### Turnover

n/a

#### Funding

n/a

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### Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<i>Products</i>			
<b>Services &amp; consulting</b> Consulting, Funding, Others: null	✓	✓	✓
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction &amp; factory automation</i>			
<i>Recycling technologies</i>			
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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

Ms Dipl.-Phys. Sybille Niemeier

*Project management*

[sybille.niemeier@nmwp.de](mailto:sybille.niemeier@nmwp.de)

Mr Dr.-Ing. Harald Cremer

*Country cluster manager*

[harald.cremer@nmwp.de](mailto:harald.cremer@nmwp.de)