

WORKGROUP FOR MULTIPHAS FLOWS



Particle technology

In the field of particle technology standardized methods for the characterization of bulk materials are used and further developed. Not only large bulk solids are analyzed, but also the numerical methods investigate the properties of nanoparticles and the associated methods of mechanical shredding.

Particle measurement technology

- ▶ Automatic picture analysis
- ▶ cascade impactor
- ▶ Laser diffraction

more...

Nano particles

› Deposition of particles on structured surfaces

(<https://www.mps.ovgu.de/mps/en/Research/Particle+technology/Nano+particles/Deposition+of+particles+on+structured+surfaces.html>)

› Deep bed filtration in porous structures

(<https://www.mps.ovgu.de/mps/en/Research/Particle+technology/Nano+particles/Deep+bed+filtration+in+porous+structures.html>)

› Glass manufacturing from SiO₂ dust

([https://www.mps.ovgu.de/mps/en/Research/Particle+technology/Nano+particles/Production+from+glas+from+SiO₂+dust.html](https://www.mps.ovgu.de/mps/en/Research/Particle+technology/Nano+particles/Production+from+glas+from+SiO2+dust.html))

more...

DFG Deutsche
Forschungsgemeinschaft



Bundesministerium
für Bildung
und Forschung

