

# 1 graduate student and 1 postdoctoral researcher

in the field of  
**computational physics of multiscale phenomena**

## environment

At the MSS we investigate the multiscale physics of particulate systems. The MSS hosts an interdisciplinary research team with a unique combination of scientists working numerically, theoretically and experimentally.

## topic

One of the most challenging tasks in computational physics is the investigation of phenomena which involve multiple length or time scales. Solving such multiscale problems is highly demanding but typically equally rewarding. The announced positions are dedicated to two topics from computational multiscale physics which are both, scientifically appealing and application oriented:

- fracture in many-particle granular systems and
- granular pipe flow

Depending on your interests and qualification, further topics from computational multiscale physics are possible.

## profile

You are highly motivated and you are deeply committed to research. You are able to work independently and as part of a team. You are equipped with an analytical and critical mind-set and you communicate clearly and concisely.

## qualification

- master's degree or PhD in physics or related
- background in computational physics
- programming skills (e.g. C++, Python, Matlab)
- experience in particle simulations (e.g. DEM)

## application

- one single pdf including your research statement, two references, your CV and, if applicable, a list of your publications
- please send your application to
  - Prof. Thorsten Pöschel
  - [thorsten.poeschel@fau.de](mailto:thorsten.poeschel@fau.de)
- open until the positions are filled

