

PhD position

Granular Rheology in Space (GRIS)

environment

Institute for Multiscale Simulation (MSS)
Erlangen-Nürnberg University FAU, Erlangen, Germany

At MSS, we investigate the multiscale physics of particulate systems. The international research team offers an interdisciplinary environment, working numerically, theoretically and experimentally.

topic

The success of future missions to the Moon requires understanding the mechanics of Lunar sand, called *regolith*. But the Lunar environment poses many challenges: low gravity, vacuum, sharp and abrasive soil, electrostatic charging...

In this project, we will study the flow-behavior of regolith, how it is influenced by the Lunar environment, and how to develop new technologies for the Moon.

profile

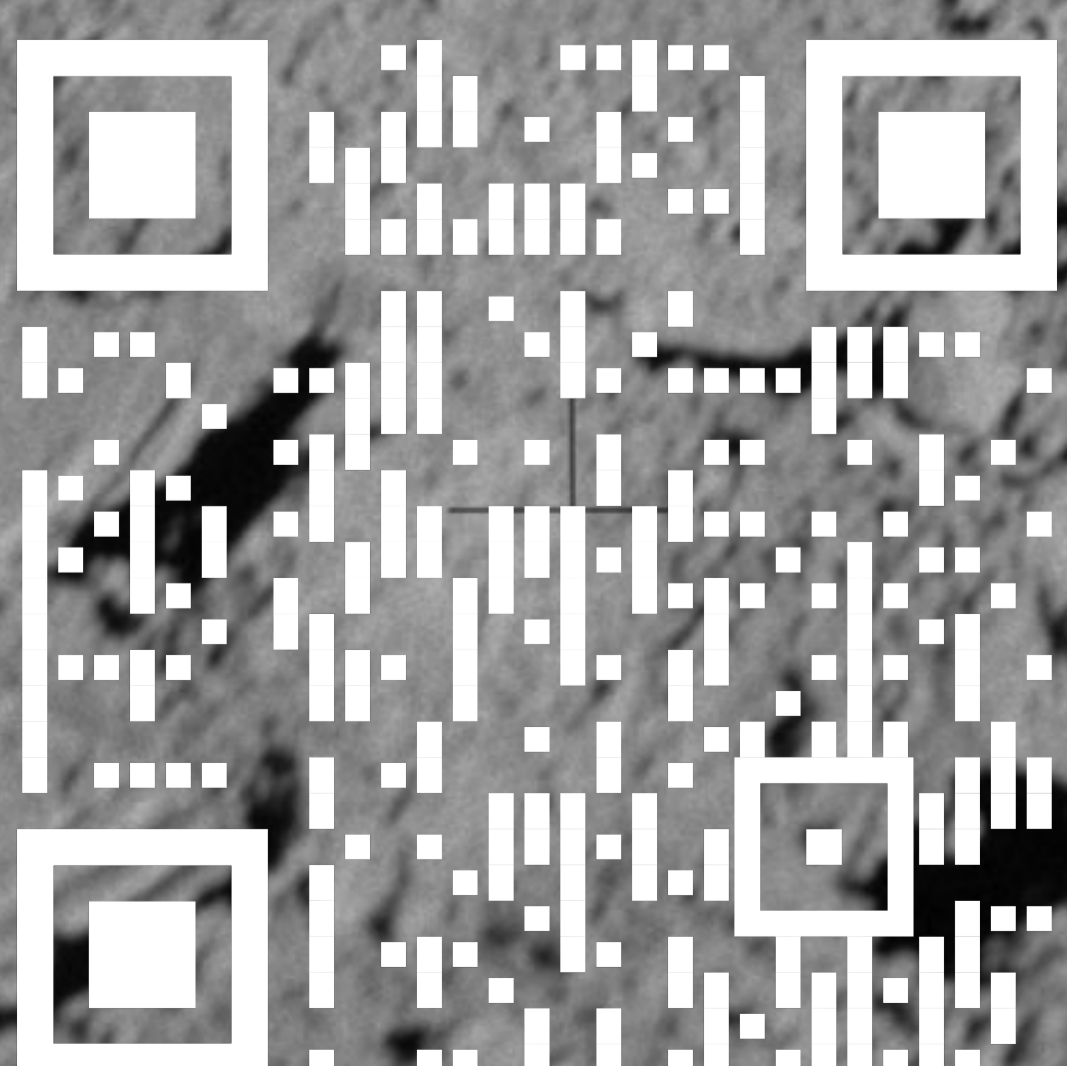
- master's degree in physics, engineering or related
- interest and experience in experimental physics
- willingness to participate in low-gravity campaigns (parabolic flights, drop tower...)
- prior experience with gravity-related experiment appreciated
- excellent English skills, writing and speaking

offer

Starting date	September 1, 2023
Contract duration	36 months
Work time	75% of full-time position
Salary groupe	E13 TV-L, 75%
Application deadline	July 1, 2023

application

Send questions and application (CV+cover letter) to:
Dr. Olfa D'Angelo
olfa.dangelo@fau.de



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