

Vacancy Notice with the reference number 38/2018

The Otto-von-Guericke-University Magdeburg seeks to fill the following vacancy

Scientific research fellow

Faculty of Natural Sciences, Department for Nonlinear Phenomena

Salary Scale: 13 TV-L	Date commencing: next possible date	Fixed term until 36months	Contract status: 75 %
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We offer a position for a talented and ambitious researcher in the field of Soft Matter Physics, with focus on physics of complex fluids. The project OASIS investigates self-organization of nanoparticles in thin fluid films. It involves an experiment on the International Space Station ISS and microgravity experiments with suborbital rockets and parabolic flights. Hydrodynamic experiments are performed to develop models for flow phenomena in quasi-2D geometry. Experiments are accompanied by numerical simulations. The position provides the opportunity to obtain a PhD.

Main responsibilities:

- Experimental studies of rheological processes in thin films and data analysis; optical investigations including confocal microscopy and fluorescence microscopy
- Evaluation of experimental data obtained in ISS experiments, design of microgravity experiments, data acquisition and evaluation
- Modeling and numerical simulation

Requirements for the position:

- Applicants shall have a Diploma/Master degree in physics or related fields
- Experiences in optical observation techniques (polarizing and fluorescence microscopy, confocal microscopy), image processing, particle tracking and statistical analysis are welcome
- Applicants are required to have a good command of English, and the ability and interest to work within an international collaboration
- High motivation and dedication are expected

For further information, please contact Prof. Ralf Stannarius (ralf.stannarius@ovgu.de).

Applications from disabled persons will be given priority in the case of equal suitability, ability and professional expertise. The Otto von Guericke University aims to increase the proportion of women researchers within the university and specifically encourages women to apply.

Please send your complete application (cover letter, curriculum vitae, references) quoting reference number **38/2018** by **March 8th, 2018 (date of receipt of application)** to the address below:

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bewerbung@ovgu.de