



## HOW DO LIQUIDS AND GASES BEHAVE IN POROUS MEDIA?

### KICK-OFF EVENT FOR SPECIAL RESEARCH FIELD 1313

Optimising fuel cells, predicting landslides after heavy rain or drawing up forecasts on the transport of medicaments in human tissues – these are only a few of the areas of application the new special research field (SFB) 1313 deals with at the University of Stuttgart, that was approved by the German Research Foundation in November 2017. The SFB 1313 going by the title of “Interface-driven multi-field processes in porous media – flow, transport and deformation” sees itself as an interdisciplinary research project. The aim is to develop a fundamental understanding of how the interfaces – for example between two fluids or between one fluid and a solid material – influence flow, transport and deformation in porous media. In future 12 research groups from the most diverse fields will be working on this: from mathematics to sciences to computer science. The project is embedded in the excellence cluster SimTech, an interdisciplinary research association in the field of simulation sciences. In order to mark the start of the project officially, a kick-off meeting will be taking place on Friday, 9<sup>th</sup> February 2018. During the meeting scientific targets should be defined in detail and joint projects coordinated.

Representatives of the media are cordially invited.

Registration requested by 7<sup>th</sup> February 2018 to Sabine Sämisch, email: [sabine.saemisch@simtech.uni-stuttgart.de](mailto:sabine.saemisch@simtech.uni-stuttgart.de)

**Date:** Friday, 9<sup>th</sup> February 2018, 3 pm  
**Venue:** University of Stuttgart (Vaihingen), Excellence Cluster SimTech, Pfaffenwaldring 5a, 70569 Stuttgart  
**Speakers:** Professor Thomas Ertl, Pro-Rector for Research and Junior Researchers at the University of Stuttgart  
Professor Rainer Helmig, Spokesperson of the SFB 1313  
Professor Jan Carmeliet, Professor of Building Physics, ETH Zürich

#### University Communication

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Further information on the project: <https://www.sfb1313.uni-stuttgart.de>