

Für die Wissenschaft. Für Berlin.



Einstein Stiftung Berlin  
Einstein Foundation Berlin



## PhD positions within Einstein Visiting Fellow programme at TU Berlin

### PhD student position 1:

A PhD scholarship is available in the framework of the Einstein Visiting Fellow programme at TU Berlin within the Collaborative Research Center "Control of self-organizing nonlinear systems: Theoretical methods and concepts of application". A successful candidate is supposed to work under the supervision of Eduard Feireisl on problems related to the mathematical theory of fluid mechanics. Basic knowledge of PDE's and functional analysis, including the framework of Sobolev spaces and weak solutions is required. The emphasis will be put on the concept of generalized solutions, their stability and asymptotic behavior under general stochastic perturbations.

### PhD student position 2:

A PhD scholarship is available in the framework of the Einstein Visiting Fellow programme at TU Berlin within the Collaborative Research Center "Control of self-organizing nonlinear systems: Theoretical methods and concepts of application". A successful candidate is supposed to work under the supervision of Eduard Feireisl on problems related to the mathematical theory of fluid mechanics. Basic knowledge of PDE's and functional analysis, including the framework of Sobolev spaces and weak solutions is required. The emphasis will be put on the concept of generalized solutions and the applications of the abstract theory for designing efficient numerical schemes.

The scholarships is granted for 3 years and amounts to about 1.450 Euro per month (tax free, no insurances included) starting April 2018. The PhD student is supposed to settle at TU Berlin. For more information, please, contact Eduard Feireisl (feireisl@math.cas.cz) or Etienne Emmrich (emmrich@math.tu-berlin.de). Please, send your application together with a CV via e-mail to

**diffeqs@math.tu-berlin.de not later than by March 4, 2018**