The Collaborative Research Centre (CRC) 1283 “Taming uncertainty and profiting from randomness and low regularity in analysis, stochastics and their applications” has the following job opening in its project B8 (research group Prof. Dr. Benjamin Gess):

Research Position (Postdoc)

In the project B8 "Stochastic PDE with conservative noise" we analyze diffusive, stochastic PDE with conservative noise. This class of stochastic PDE arises in various fields of applications, for example, in nonequilibrium statistical physics, and in interacting particle systems with common noise. Moreover, stochastic PDE of related structure appear in fluctuating hydrodynamics, and as stochastic kinetic equations, such as the stochastic Boltzmann and the stochastic Vlasov-Poisson equation. Several of these applications lead to space time white noise, and thus to typically ill-posed and supercritical stochastic PDE. We aim to investigate questions of well-posedness, regularity, qualitative behavior, equilibrium and nonequilibrium large deviations and their numerical simulation.

Further information is available at: https://www.sfb1283.uni-bielefeld.de.

Your Tasks
- research work in the project B8 "Stochastic PDE with conservative noise ", in particular on nonlinear stochastic PDEs, large deviations, regularity theory for nonlinear PDEs, nonequilibrium statistical mechanics (100 %)

Employment is conducive to scientific qualification.

We offer
- salary according to Remuneration level 13 TV-L
- fixed-term (2 years) (an extension for one year is intended in case of renewed project approval) (§ 2 (1) sentence 2 of the WissZeitVG; in accordance

Your Profile

We expect
- scientific university degree in mathematics
- PhD in Mathematics
- working knowledge of English, both written and spoken
- independent, self-reliant and dedicated style of work
- ability to cooperate and to work in a team

We offer
- salary according to Remuneration level 13 TV-L
- fixed-term (2 years) (an extension for one year is intended in case of renewed project approval) (§ 2 (1) sentence 2 of the WissZeitVG; in accordance
Application Procedure

We are looking forward to receiving your application. For full consideration, your application should be received via either email (a single PDF document is required) sent to abaum@math.uni-bielefeld.de or post (see postal address). Please mark your application with the identification code: Wiss23153. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. For Information on the processing of personal data click here.

application deadline: 31.05.2023

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Bielefeld University has received a number of awards for its achievements as an equal-opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the state statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.

At Bielefeld University on request positions can be carried out with reduced working hours as long as this does not conflict with official needs.