As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

The **Faculty of Mathematics, Informatics and Natural Sciences** invites applications for a

PROFESSORSHIP (W2/W3) FOR MATHEMATICS WITH A FOCUS ON STOCHASTIC DYNAMICAL SYSTEMS

commencing as soon as possible**, ref. no. 2327**

The Department of Mathematics works closely with other departments such as the Departments of Physics and Earth Sciences. It oversees the Research Training Group "Mathematics Inspired by String Theory and QFT" (RTG 1670) and as of 2020, it will also oversee the Research Training Group "Modeling, Simulation and Optimization of Fluid Dynamic Applications" (RTG 2583, https://www.c3s.uni-hamburg.de/grk.html). In addition, it takes part in the Cluster of Excellence Quantum Universe, the Collaborative Research Center TRR 181 "Energy Transfers in Atmosphere and Ocean," (https://www.trr-energytransfers.de) and the DASHH—Data Science in Hamburg—Helmholtz Graduate School for the Structure of Matter (https://www.dashh.org/).

RESPONSIBILITIES:
The successful candidate is expected to teach and conduct research in the field of stochastic dynamical systems and should have a recognized record of research in the field. We expect a strong dynamical orientation combined with stochastic components. The dynamical orientation should focus on relevant topics of general dynamical systems, ordinary differential equations, or partial differential equations. The stochastic components may either be theoretical or system-oriented. We expect the successful candidate to develop and analyze relevant methods using modern approaches.

The areas of work should meaningfully contribute to the existing research in the Department of Mathematics and thus increase the potential for collaboration. Linkages to the larger collaborative projects mentioned above are also desired.

We further expect the candidates to contribute to undergraduate teaching in all degree programs in the Department of Mathematics and to provide teaching services, in particular, mathematics for engineers at the Hamburg University of Technology (TUHH), and to teach in various teacher training programs.

In their application, applicants are expected to indicate to which of the University's core research areas, emerging fields, or profile initiatives (https://www.uni-hamburg.de/en/forschung/forschungsprofil/forschungsschwerpunkte.html) their research can best be assigned. Duties include participation in one or more of the core research areas, emerging fields, or profile initiatives.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

REQUIREMENTS:

Academic qualifications and additional requirements as specified in Section 15 HmbHG.

ADDITIONAL CRITERIA:

Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

The post holders are expected to acquire the language skills necessary to teach in German (Level C1 of the Common European Framework of Reference for Languages) within two years of commencing employment providing he or she does not have the requisite skills when starting.

Following hearings to evaluate knowledge and expertise, selected candidates will be further assessed to ascertain their skills in the areas of management and human resources.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

Suitable disabled candidates or applicants with equivalent status with comparable qualifications, abilities, and experience receive preference in the application process.

For more information please contact Prof. Dr. Ingenuin Gasser at +49 40 4283-5128 or ingenuin.gasser@uni-hamburg.de. For more information about the Department of Mathematics and Universität Hamburg, please see https://www.math.uni-hamburg.de/en.html.

The application deadline is **02 April 2020**. Please submit your application with your CV, list of publications, teaching experience, successful external funding record, copies of certification and documents, three representative publications, teaching and research plans, additional evidence of skills and experience, such as presentations, posters, significant roles held in organizations, etc., and the reference number **2327**, preferably by email in a single PDF file, to: Bewerbungen@uni-hamburg.de or per post to:

An den
Präsidenten der Universität Hamburg
Stellenausschreibungen
Mittelweg 177
20148 Hamburg