The University of Bremen is a mid-sized German university with 290 professorships and almost 20,000 enrolled students, offering a broad range of subjects and outstanding, internationally renowned research. At the same time it provides a distinguished diversity management that realizes equal opportunities and is a family-certified University. Within this highly attractive framework the following DFG-funded Collaborative Research Center has been funded.

The Collaborative Research Center "Farbige Zustände" (SFB 1232)

"Von Farbigen Zuständen zu evolutionären Konstruktionswerkstoffen"

In connection with this SFB the University of Bremen offers the position for a

1 Full Post-Doc Position (100%TV-L 13)

starting at January1st, 2017 until June, 30th, 2020.

We invite highly motivated and outstanding researcher with a PhD degree in mathematics, statistics or a related field, a sound background in statistical modelling and design of experiments, and with interest in material and natural science applications.

The position is financed 50% by the SFB 1232 and 50% by the University of Bremen. Accordingly, candidates are expected to contribute to the research of the SFB 1232 and other scientific projects, in particular, the RTG 2224 π3. A limited teaching obligation is affiliated with this position.

A group of internationally renowned researchers together with excellent funding provides unique opportunities to develop your career in a vibrant scientific environment. The exceptional research idea of SFB1232 is the development of a novel interdisciplinary high-throughput method for the experimental exploration of structural materials. The RTG 2234 π3 focuses on the development of new mathematical methods for parameter identification with real industrial applications. Within this challenging and interdisciplinary research field, the offered position covers the following subtopics:

- Advanced and high-dimensional statistical modelling
- Design of experiments in a high-dimensional, not necessarily linear, setting
- Modelling the relationship between process parameters and material properties in the exploration of structural materials
- Organizing experimentation in cooperation with material scientists, computer scientists and mathematicians
- Development of statistical (adaptive) designs for the evaluation of classification algorithms

Skills in one or more of these topics are required.

Further information on the SBF 1232 is available at: www.uni-bremen.de/sfb1232. Information on the RTG 2224 π3 can be found at www.math.uni-bremen.de/rtg-pi3.

In addition to the multidisciplinary research program the SFB1232 offers an educational program with tailored scientific lectures, visiting scientist seminars, soft-skill workshops, summer schools, research visits at international cooperation partners, special career development programs for women scientists and an ongoing coaching of your scientific work. The RTG 2224 π3 offers additional career development opportunities.
The University of Bremen intends to further increase the share of women in academic employment; women are explicitly encouraged to apply. Applicants with a migratory background and international applications are highly welcome.

Disabled candidates will receive preferred consideration over equally qualified contenders.

The time limitation is based on § 2 (1) WissZeitVG (Wissenschaftszeitvertragsgesetz, i.e. temporary science employment act). Therefore, candidates may only be considered who dispose of the respective scope of qualification periods according to § 2 (1) WissZeitVG.

The position will remain open until filled. The review process will begin immediately.

Please send your application which includes A) a motivation letter reasoning your interest for this research B) a full CV (max. 2 pages) including contact details of 2 references, C) copies of university certificates incl. transcripts and D) a brief summary of your thesis and previous research projects (max. 2 pages) under the reference number **A187/16** best until **31.10.2016** to:

University of Bremen,
Fachbereich Mathematik/Informatik
attn: Prof. Dr. Werner Brannath
Linzer Str. 4
D-28359 Bremen, Germany

or by E-Mail: brannath@math.uni-bremen.de in one single electronic PDF-file.