Advertisement W 47-18

At the University of Rostock, Faculty of Computer Science and Electrical Engineering, Chair of Electromagnetic Field Theory, subject to fund allocation, applications are invited for the position of a

Junior Research Group Leader (*gn)
(pay scheme TV-L E14, full-time, start as soon as possible, duration: until 30.06.2021)

Remit:
Head of a junior research group in connection with the CRC 1270, Electrically Active Implants - ELAINE ' in one of the following research fields: Uncertainty Quantification or Multiscale Simulation or Multiphysics in Bioelectric Engineering
- Research:
  - The above-mentioned methods should support the research of project A02 "Multi-scale models for studies on electrically active implants in due consideration of uncertainties in the input data".
  - Research background: The medical fields of application regarded in A02 concern Deep Brain Stimulation for Parkinson's disease and dystonia as well as the regeneration of bone and cartilage.
  - In addition to macroscopic issues, possible contributions are e.g. to simulate cell migration under the influence of an electric field or the electrical double layer at electrodes within tissue.
  - Close cooperation with the other projects of the CRC is essential.
We are looking for a dedicated postdoctoral researcher with interest in interdisciplinary cooperation and the guidance of doctoral candidates.

Requirements:
- completed academic studies (master, diploma or comparable degree or fast track) in electrical engineering, biomedical engineering, physics or mathematics
- excellent doctorate in Electromagnetic Field Theory, Computational Science and Engineering, Scientific Computing or a closely related subject
- very good knowledge of at least one of the three focus areas mentioned above
- very good programming skills in MATLAB, Python, C and / or C ++
- excellent command of the English language
- relevant publications in recognized scientific journals of the above disciplines
Desirable:
- experience in international and interdisciplinary cooperation
- experience in the management of research projects and team management
- good command of the German language

We offer:
- a multi-faceted, diverse and challenging occupation in a university which is rich in tradition but at the same time innovative, modern and family-friendly being situated in a lively city at the Baltic Sea
- integration into the CRC 1270 'Electrically active implants - ELAINE' www.elaine.uni-rostock.de
- employment in accordance with the provisions of the public sector's wage agreement (TV-L)
- the remuneration will be paid in accordance with remuneration group 14 TV-L if the personal and tariff prerequisites are satisfied

**Further information**

The position is generally suitable for part-time work. If appropriate applications are received, it is examined whether the part-time wishes can be fulfilled within the employment opportunities.

The limitation of the term of employment complies with § 14 TzBfG.

Equal opportunity is an essential part of our human resources policy. The advertisement addresses all no matter what gender (*gender-neutral). In case of equal qualification, applications from severely disabled people or equivalent are explicitly welcome. The University of Rostock seeks to increase the proportion of women in research and teaching and particularly encourages female applicants to apply for this position. We welcome applications from people of other nationalities or with a migration background.

We are looking forward to your application. Please send your informative documents including the job advertisement number (as well as your e-mail address and phone number) till **13.07.2018** to bewerbungen.personal@uni-rostock.de. Applications should be send as a single pdf-document.

Please note that the Federal State of Mecklenburg-Vorpommern does not reimburse application and travel costs.

For further questions, please contact:

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