The Faculty of Physics, EFRE CiMT, offers a part-time research position starting January 1st, 2020 (E13 TV-L, non-permanent position)

Your Tasks
The goal of the EFRE-project CiMT is the foundation of an interdisciplinary Center for material research and technological innovation by the University of Applied Science FH Bielefeld (BIfAM) and the Bielefeld University Institute for Nanoscience (BINAS) in cooperation with industry. Central concern of the CiMT is the development of durable and stable technical surfaces using ab-initio studies of aging and corrosion mechanisms, development of simulation models, and goal-oriented material modification.

The tasks include in particular:
Research in sub-project “tailored synthetic material surfaces” (100 %):
- production, functionalization, and structuring of self-assembled monolayered (SAM) nanosheets and nanomembranes
- characterization of materials and surfaces with advanced analytics (HIM, XPS, AFM, STM)
- evaluation, documentation and presentation of research results

Your Profile
We expect
- completed university degree (diploma/master) in a relevant subject (e.g. physics, chemistry, or materials science)
- profound knowledge of surface physics/chemistry as well as material or membrane research
- practical experience in high-resolution microscopy (e.g. SEM, TEM, HIM, STM or AFM), XPS, IR, or other material characterization
- independent, self-reliant working style
- high communication and cooperation skills
- very good knowledge of English language (oral and written)

Preferable qualifications
- further practical experience in surface analytics

Remuneration
Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) paragraph 1 of the WissZeitVG (fixed-term employment), the contract will end by June 30th, 2022. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed as 50 % part-time job. In individual cases, this percentage may be reduced on request, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees.

Application Procedure
For full consideration, your application should be received via either post (see postal address below) or email (a single PDF) document sent to ag@uni-bielefeld.de by the 30th of November 2019. Please mark your application with the identification code: wiss19284. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure.

Further information on Bielefeld University can be found on our homepage at www.uni-bielefeld.de. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. Information on the processing of personal data is available at https://www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Hinweise_englisch.pdf.

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