

W1-Junior Professor „Microstructure of Materials“

We are looking for a metallurgist/materials scientist/physicist/chemist with a PhD degree and research experience in microstructures of engineering materials. She/he is expected to teach and to perform cutting edge research in the areas of characterization of materials with a focus on advanced scanning and/or transmission electron microscopy methods. The influence of microstructure on high temperature strength of materials is of interest. We are specifically looking for expertise in the areas of tempered martensite ferritic and austenitic steels for new fossil fired power plants operating at temperature above 600°C and the relation between high temperature strength and microstructure in these materials. The candidate should have experience in microstructural characterization and mechanical high temperature testing. Familiarity with standard modelling procedures and numerical methods in materials science is expected. The candidate is also expected to interact with the material science researchers of the Ruhr University Bochum, especially in the areas of high temperature materials and materials modelling. In teaching, the new Junior Professor supports the career paths “Materials Engineering” and “Energy and Environmental Engineering” and also contributes to a new master course “Materials Science and Simulation”. We expect good didactic skills and the ability to attract research funding from national and international funding agencies. The Ruhr University especially welcomes the application of female scientists and of handicapped applicants.

Please send your application until 28.2.2010 to Prof. Dr.-Ing. Gunther Eggeler, Institut für Werkstoffe, Ruhr-Universität Bochum, D-44780 Bochum.

http://www.uv.ruhr-uni-bochum.de/dezernat3/vakante_Professuren/Maschinenbau_JP_Microstructure%20of%20Materials.pdf