



The Ruhr-Universität Bochum (RUB) is a leading Research University in Germany. As a reform-oriented Campus University, it covers the whole range of scientific subjects in one place. Dynamic interactions among various faculties specializing in different subject areas provide researchers and students valuable opportunities for interdisciplinary collaboration.

The new Centre for Interface-Dominated High-Performance Materials (in German: Zentrum für Grenzflächendominierte Höchstleistungswerkstoffe, ZGH) of the Ruhr-Universität Bochum is looking for a full-time research scientist with a doctoral degree in materials/materials physics and demonstrated knowledge and expertise in the investigation of engineering materials using atom probe tomography (APT):

At the ZGH of the Ruhr-Universität Bochum we focus on understanding and developing new high-performance materials. Therefore, scale-bridging experiments and simulations from atoms to components are performed to develop an extensive understanding of interfaces in materials and their properties.

To perform APT investigations at the ZGH, we seek a researcher with a doctorate in materials/materials physics or similar field and hands-on knowledge of atom probe tomography and sample preparation for atom probe tomography using focused ion beam techniques, who satisfies the following requirements:

- (1) Academic studies with very good grades in materials/materials physics or comparable fields and successful completion of PhD.
- (2) At least 2 years hands-on experience in atom probe tomography.
- (3) Experience in analyzing and processing APT data using the Cameca software.
- (4) Experience in using the focused-ion-beam technique, especially for the preparation of samples for atom probe tomography.
- (5) Operational readiness, motivation and the ability to work with a team of colleagues from different (professional) backgrounds.
- (6) Willingness to perform APT measurements as a user service for ZGH researchers.

We need a person who is able to work effectively and collegially with materials scientists from different disciplines. We also expect a willingness to participate in teaching (e.g. courses related to APT). We offer an interesting, international research environment in a dynamic materials science setting.

The employment contract is based on the labor agreement of the federal states (in German: Tarifvertrag der Länder, TV-L). The pay scale classification is based on personal and pay scale requirements in pay grade 13 of the TV-L. The position is limited to two years.

This advertisement is also addressed to limited and unlimited staff of the Ruhr-Universität Bochum.

Are you interested? If so, please submit your application, only via email, by 15th March 2016 to **Prof. Dr. Easo P. George, Materials Design**. Applications should be submitted as a single PDF file to: easo.george@rub.de.