

UHV scanning probe microscopy

The GREMAN laboratory at the university of Tours (France) is looking to recruit a post-doctoral research fellow to work on Scanning Probe characterizations of Magnetic / Ferroelectric oxide interfaces. The aim is to further understand and tailor the interface properties in order to enhance the performance of tunnel junctions and capacitors. Scanning probe microscopy, including PFM and KPM, will be performed in a UHV Omicron microscope (variable temperature) equipped with Specs Nanonis electronics.

Samples will be prepared in a PLD chamber equipped with a high pressure RHEED system and transferred into the microscope chamber without breaking the vacuum.

Applicants should have a Ph.D. in experimental physics or materials science. Experience in Scanning Probe Microscopy under UHV is essential. A research track record in material science or thin film growth is a strong plus.

This post-doc position is available immediately for a period up to 20 months. The net salary starts at 2000 € per month (depending on experience).

Applications should be sent to Dr Antoine Ruyter including a full CV, and names of references. Do not hesitate to contact me for informal enquiries.

Informations :

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