

Electron microscopy position

ICEMS – Instituto de Ciência e Engenharia de Materiais e Superfícies of Instituto Superior Técnico, Technical University of Lisbon (www.icems.ist.utl.pt) has a free researcher position in characterisation of thin films and surfaces by cross-sectional transmission electron microscopy. The contract offered will have duration of up to 5 years, renewed yearly on mutual agreement.

The candidates must have a PhD degree in materials science, physics or a related field and more than 2 years of research experience after the PhD and 3 years experience operating a TEM. The candidate must be experienced in the characterisation of materials and thin films by transmission electron microscopy/cross-sectional TEM. Experience in TEM sample preparation for cross-sectional TEM analysis of thin films is desirable as well as the ability to use other materials characterization techniques such as SEM/EBSD/EDS and Auger electron spectroscopy.

The researcher should be willing to work as part of a large team, but is also expected to conduct independent research and generate and manage his own projects. The candidate must provide guidance in TEM to other team members and PhD students.

The applicants must submit the following documents for appreciation:

Curriculum Vitae
Letter of Intent
References

Contact:
Prof. Rui Vilar
Instituto Superior Técnico
Av. Rovisco Pais
1049-001 Lisboa, Portugal
Tel: +351-218418121
fax: +351-218418120
Email: rui.vilar@ist.utl.pt