

Job ID: ESI042DOC221

The Erich Schmid Institute of Materials Science ([ESI](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, is offering a

PHD STUDENT POSITION (F*M)

(full-time / 40h per week)

in the framework of the FWF project “Nanoscale strain mapping in metallic glass composites” for a 3-year term of employment.

The aim of the project is to improve our understanding of the fundamental deformation mechanisms in metallic glass composites through direct nanoscale strain mapping in the transmission electron microscope.

Your tasks

The successful candidate will be part of an international team whose research activities focus on advanced nanocharacterization of complex materials. Your task will combine experimental work with simulation, data analysis and programming. This will involve improving and validating strain mapping algorithms and apply them to the in situ deformation of metallic glass composites. You are expected to present your findings at international conferences and publish the results in international journals. Finally, you will write a PhD thesis.

Your profile

- PhD in Materials Sciences, Chemistry, Physics or equivalent.
- Background in materials science.
- Prior experience with 4D-STEM (experimental or simulation).
- Excellent communication skills in spoken and written English are mandatory.
- We are seeking independent, responsible and team-oriented candidates.

We offer an international, ambitious environment for basic research-oriented candidates who want to perform cutting-edge research with access to world-class synthesis and characterization facilities. We have a friendly and dynamic research environment and strong collaborations with many international academic partners.

The appointment begins as at the earliest possible date (ca. June 2021). Gross salary will € 2.983,47 according to the standard salaries for FWF projects for 40 hours per week (14 times a year, before taxes).

Please send your application including a motivation letter and an academic CV via email to christoph.gammer@oeaw.ac.at (mentioning Job ID: ESI042DOC221) **no later than May 5, 2021**. Evaluation of candidates will begin immediately and will continue until the position is filled. Please note that only complete applications will be processed.

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. The OeAW lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.