

PhD Position

in Materials Science & Microelectronics

Laboratory: Erich Schmid Institute, Leoben, Austria

Web-Page: esi.oeaw.ac.at

Topic: Mechanical Stress and Microstructure in Integrated Circuits
Characterized by In-situ Synchrotron X-Ray Diffraction

Duration: 3 Years

Supervisor: Prof. Dr. Jozef Keckes

Description: Erich Schmid Institute in Leoben is looking for a PhD student to conduct research in the field of materials science and microelectronics. The main objective is to characterize structural changes and stresses in complex integrated circuits during operation, using in-situ electron microscopy techniques and synchrotron X-ray diffraction. The prospective student should have master's degree in physics, electronics or related subject as well as good command of the English language. Skills in computer programming/coding and experience with electronics design and handling are of great advantage. The work will be performed in a highly stimulating scientific environment. Presentation of results at international conferences and in scientific journals is expected.

Salary: ca. € 2662 (before taxes, 14 x per year)

Enthusiastic candidates apply here: jozef.keckes@unileoben.ac.at

