



TECHNISCHE UNIVERSITÄT WIEN  
INSTITUT FÜR ANGEWANDTE PHYSIK  
WIEDNER HAUPTSTR. 8-10/E134, 1040 WIEN  
<http://www.iap.tuwien.ac.at>



## Ausschreibung

für ein Stelle als

### Projektassistent/in (Doctoral student)

am Institut für Angewandte Physik der TU Wien

Fachbereich Applied Interface Physics

The position is available from 1.6.2019, limited to 40 months.

The Surface Physics division (lead by Prof. Ulrike diebold) is searching for a PhD student for the FWF project

**SUPER: „Surface Science of Bulk-terminated Cubic Perovskite Oxides“.**

Perovskites are fascinating materials, interesting for many fields including catalysis, photo/electrocatalysis, electronics or spintronics. The research will be focused on fundamental understanding of the surface structure, electronic properties, and chemical reactivity of two cubic perovskites:  $\text{KTaO}_3$  and  $\text{SrTiO}_3$ .

The student will become an expert in the field of Surface science; the main analytical tool will be atomically-resolved non-contact Atomic force microscopy (nc-AFM), combined with Scanning tunneling microscopy (STM).

#### Requirements:

Finished Master degree in the field of Physics, Physical Chemistry, or Materials Science. Knowledge in the field of Surface physics, Surface chemistry or Scanning probe microscopies (STM/AFM) is an advantage.

In case of interest, please send a motivation letter and your CV to Martin Setvin ([setvin@iap.tuwien.ac.at](mailto:setvin@iap.tuwien.ac.at)).