



# INTERNSHIP OFFER

## AT-2025-6006VI

Vienna, Austria

ON-SITE

### INTERNSHIP HOST

Name of Company  
TU Wien  
Institut für Festkörperphysik

Website

Address of Company  
Wien  
Austria

Number of Employees  
50

Business or Product  
Research

### INTERNSHIP OFFER

6 - 9  
weeks

2282 EUR  
per Month

450 EUR  
per Month

Latest Possible Start Date

Within Months  
Jun-2025 - Dec-2025

Company Closed Within  
-

Deductions Expected  
~20%

Payment Method

Arranged by  
Trainee with assistance of IAESTE

Estimated Cost of Living including Lodging  
900 EUR / Month

Working Environment: Research and development

Working Hours / Week: 40.0

The trainee shall get involved in laboratory experiments in solid-state physics research. Main tasks include design, manufacturing and testing of (electrical/mechanical) components of the setup. Automation of measurements using standard programs (Labview, Matlab, etc) requires basic knowledge of coding. Preparation of samples for measurements using soldering, various types of glue.

Low-temperature experiments (from room temperature down to 4 K and below that) are performed under high vacuum conditions using liquid Nitrogen and Helium. Magnetic fields up to 15 T are applied by superconducting coils. Experimental data are analyzed using Matlab, Origin and other commercial programs. New findings are regularly published in high-impact scientific journals, such as Nature, Science, Physical Review Letters, etc.

Knowledge in solid-state physics is appreciated, but not required.

### ADDITIONAL INFORMATION

Deadline for Nomination - 01-Mar-2025

### STUDENT REQUIRED

General Discipline  
Chemistry and Chemical  
Engineering;Material  
Engineering and  
Sciences;Physics and  
Physical Sciences

Field of Study

Completed Years of Study  
3

Language Required  
English Good (B1, B2)

Required Qualifications and Skills  
MATLAB | Labview

In the laboratory: soldering, non-shaking hands (for preparation of samples under a microscope), diligence alternatively: essentials of programming, setting up control of setup, automation of measurements.

Student Status Requirements  
not required

Other Requirements/Information  
Punctuality, reliability, independent solving of tasks, finding creative solutions, resilience, flexibility (more workload during experiments, less before/after).

Science is not just individual understanding, but also requires social skills, ability to communicate results and problems, teamworking together with students and postdocs, networking.

