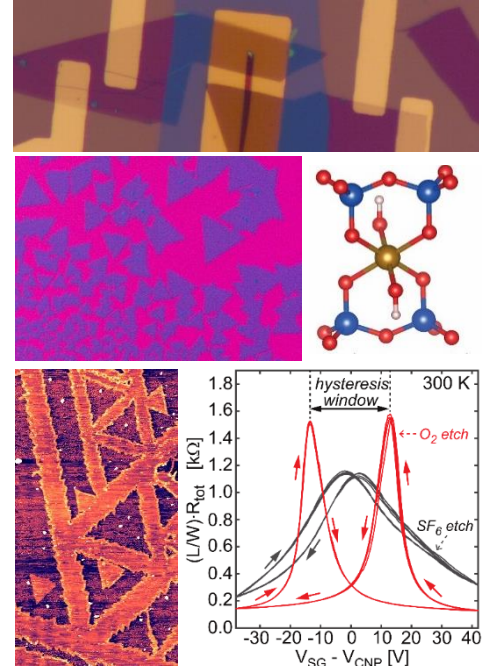


**PhD candidate and Postdoc openings at  
Matkovic's Lab  
Chair of Physics  
Montanuniversität Leoben  
AUSTRIA**

We are seeking motivated and curiosity driven people looking to expand their knowledge in the fields of:

- **2D materials,**
- **Interface engineering,**
- **nanoelectronics,**
- **crystal growth,** and
- **heteroepitaxy.**

The positions are available from 01.09.2024 until filled.



The topics of the available PhD thesis and the postdoctoral position are related to **2D semiconductor – 2D dielectric interfacing** for future electronics. The candidates are expected to adopt and further develop the CVD-based growth setup with the goals of achieving 2D semiconductor (MoS<sub>2</sub>, WS<sub>2</sub>, WSe<sub>2</sub>, PtSe<sub>2</sub>, etc) heteroepitaxy on layered phyllosilicate insulators and growth of thin film phyllosilicates; following structural characterization (AFM, Raman, XRD, XPS, EPMA, STEM), device integration, and electrical characterization.

**PhD candidate position:** 30 h/week; 3 years – background (MSc or equivalent) in materials science, materials for electronics, nanoelectronics;

**Postdoc position:** 40 h/week; 2 years – preferably with a PhD in 2D materials, crystal growth, CVD, nanoelectronics;

Our group is situated at Montanuniversität Leoben in Styria, Austria, surrounded by Austrian Alps, with a nearby local ski centre, and many outdoors activity opportunities. The town is located c.a. 45 min from Graz, and 2 h from Vienna.



**More info on our group:**

<https://www.unileoben.ac.at/matkovics-lab/>  
[https://x.com/2d\\_mat\\_lab](https://x.com/2d_mat_lab)

**Interested candidates, please directly contact:**

Priv.-Doz. Dr Aleksandar Matkovic  
Senior Group Leader  
[aleksandar.matkovic@unileoben.ac.at](mailto:aleksandar.matkovic@unileoben.ac.at)