

Atomic Scale Physics group (physics.aalto.fi/stm)

Summer Student Positions

We are looking for motivated students to work with us on the following experimental project:

Molecular-beam epitaxy growth of transition metal dichalcogenide heterostructures

We are looking for enthusiastic students to work with us on an experimental project involving growth of heterostructures of two-dimensional materials with molecular-beam epitaxy (MBE). After the growth process, the layers are characterized by both sample averaging techniques (e.g. XPS or Raman) and microscopy (atomic force microscopy (AFM) and scanning tunneling microscopy (STM)).

The project involves hands-on operation of ultra-high vacuum sample growth and characterization facilities (e.g. STM, AFM, XPS). It is carried out as a part of a team and can constitute a bachelor's thesis, a special assignment, or master's thesis. For more details, contact Peter Liljeroth (peter.liljeroth@aalto.fi)

