



Method Tags: Atomic layer etching, NanoPatterning

Scientific Tags: FinFet Fabrication, Advanced electronics, Nanofabrication

Supervisors: Amin Karimi, Alixlabs amin@alixlabs.com.

This work will include sample preparation using various lithographic techniques, development, optimization and study of atomic layer etching (ALE) processes and finally characterization of the resulted nanostructures using different microscopic techniques.

Alixlabs AB is a startup company based in Lund and originating from Lund Nano Lab open research facility within NanoLund. We provide a method of manufacturing nanostructures with characteristic size below 20 nm for the next generation of electronic devices.

We are offering a master thesis project on development of atomic layer etching processes at Lund Nano Lab for downscaling of advanced semiconductor components.