



Method tags: Characterization/Experiment, Modelling/Simulation, Processing/Nanofabrication

Scientific tags: Photonics, Devices, Materials science, Synchrotron radiation/MAX IV

Supervisor: Jesper Wallentin, [jesper.wallentin@sljus.lu.se](mailto:jesper.wallentin@sljus.lu.se)

Website: <https://portal.research.lu.se/sv/persons/jesper-wallentin>

My research studies single nanostructure devices using coherent X-ray imaging and X-ray diffraction. In particular, I'm developing techniques for investigations that combine hard X-ray imaging and X-ray diffraction with electrical measurements. I have students doing device processing in the Lund Nano Lab, experiments at synchrotrons, as well as computer modelling.