Project: Research project programming/data processing TEM
(Forskningsprosjekt programmering/databehandling transmissionselektronenmikroskopi (TEM))

Project description (english only):
In this project a student will apply, further refine or rewrite to a tutorial Juypter notebooks for the analysis of transmission electron microscopy data. Through the project you will become familiar with using open-source dedicated research python libraries (here specifically HyperSpy and pyXem), handling/representing larger multidimensional experimental data sets and example machine learning routines.

Qualifications (english only):
Experienced with and interested in working and applying Python coding. The data analysed can be from diffraction or spectroscopy experiments and from different material systems. Basic solid state physics knowledge can be helpful, but is not required.

Contact: Ton van Helvoort, D4-149, a.helvoort@ntnu.no
Deadline: Unspecified.