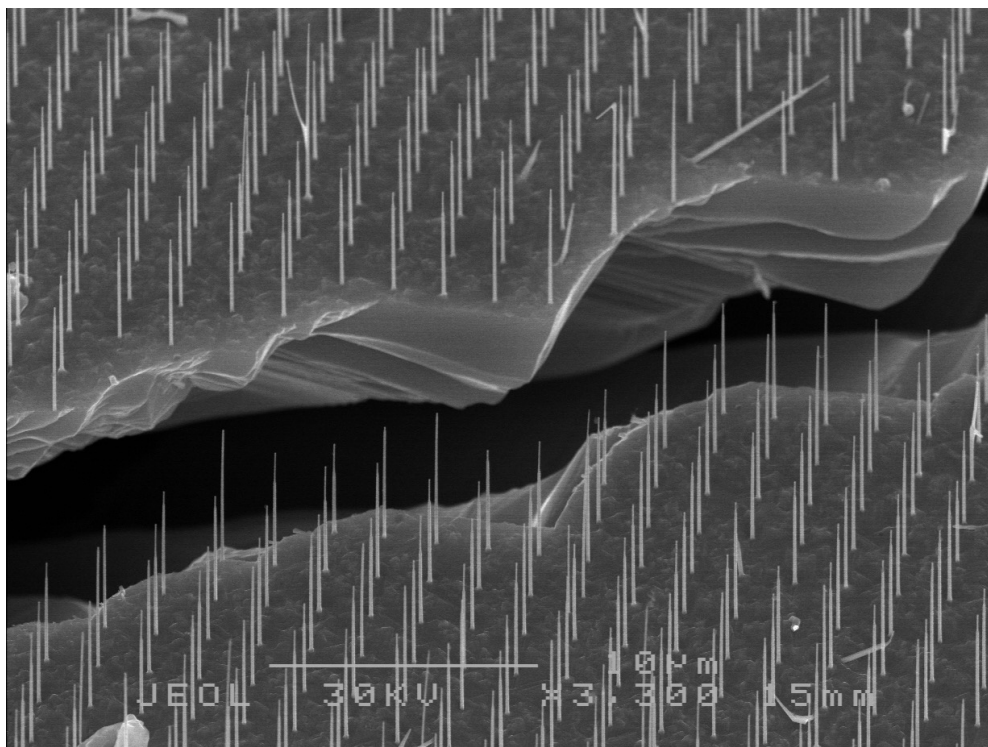




Bachelors and Masters Student Projects: **Nanowires**

Center for Quantum Devices or Microsoft Quantum Material Lab

Nanostructured materials such as semiconductor nanowires are produced and analyzed at HCØ. These materials are fascinating in their own right and are also employed in a variety of devices ranging from sensors to quantum electronics. At QDev we focus mainly on their applications as quantum wires and dots. This research bridges advanced materials science and quantum physics. Students with an interest in growth, structural properties, nanoscale imaging (electron microscopy) or the physics of nanowires can get introduced to the various nanowire research groups and learn more about potential projects and supervisors. Knowledge of basic solid state physics is strongly recommended, e.g. from introductory courses on condensed matter physics.



If you are interested in getting involved with our research, or if you want to know more, do not hesitate to contact Professor Jesper Nygård (nygard@nbi.dk) or Peter Krogstrup (krogstrup@nbi.dk).