

Adam S. Foster is a professor at the Department of applied physics at Aalto University and research professor at Kanazawa University, Japan. He established the Surfaces and Interfaces at the Nanoscale (SIN - <a href="www.aalto.fi/physics-sin">www.aalto.fi/physics-sin</a>) group at Aalto, where he applies and develops various atomistic and quantum mechanical simulation methods to study surface and interface physics at the nanoscale, with particular emphasis on working closely with experimentalists and technologists. His research topics

include nanoscale studies of nanomanipulation, nanocatalysis, microelectronics, molecular electronics, and are often partnered with state-of-art Scanning Probe Microscopy (SPM). Recently the group has been very active in the development of machine learning methods for SPM analysis and control.