

Steven Schofield is an Associate Professor of Condensed Matter Physics at University College London, holding a joint appointment with the London Centre for Nanotechnology and the Department of Physics and Astronomy. His research interests lie in uncovering and manipulating the fundamental quantum properties of matter at the atomic scale, with a view toward applications in both classical and quantum information processing. His research group employs atomic-scale fabrication techniques and cryogenic temperature ultrahigh vacuum scanning tunnelling microscopy, and spectroscopy to create and examine nanostructures in semiconductors and two-dimensional materials. These investigations often incorporate complementary methods, such as momentum-resolved photoelectron spectroscopy and first-principles simulations, to gain a comprehensive understanding of the atomic-scale nanostructures and their properties within these materials.