

Andrew Higginbotham

Graduate Institution: Harvard University

Graduate Discipline: Physics

Hometown: Durham, NC

Relevant SC Research: Basic Energy Sciences



Research Interest:

I study the spin properties of semiconductors at low temperature. I am particularly interested in hole spins in Si/Ge core-shell nanowires. In this system there is very little interaction with nuclear spins, which should lead to long spin coherence times. Additionally, the 1D confinement of holes is thought to lead to extremely strong spin-orbit coupling.

Mudd College my main interests were in high-intensity laser physics and fluid dynamics. After graduating I spent a year studying organic nonlinear optics at the University of Cambridge under a Churchill Scholarship, where I obtained an MPhil in physics. I am currently a PhD student at Harvard studying spin physics in low-dimensional semiconductor systems.

About Me:

I was born and grew up in Durham, NC. As an undergraduate at Harvey



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