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Brian LeRoy is an assistant professor in the physics department at the University of Arizona. He received his B.S. from the University of Michigan in 1998 with highest honors in Physics and high honors in Mathematics. In 2003, he graduated from Harvard University with a Ph.D. in physics. After post-doctoral research at the Delft University of Technology in the Netherlands, he joined the faculty at the University of Arizona. His research focuses on combining scanning probe microscopy with electrical transport measurements to understand the electronic properties of low-dimensional systems. At Harvard, he was involved in the first measurements of the wavefunctions from quantum point contacts in a two-dimensional electron gas. When moving to Delft, he began to work on carbon based systems using scanning tunneling spectroscopy. He investigated the relationship between vibrational properties of carbon nanotubes and their electrical properties. At Arizona, his research is focused on the electrical properties of a number of low-dimensional systems including graphene, carbon nanotubes, nanoparticles and quantum dots.