

Interactive Infrastructure

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Abstract:

In this high-level talk I will introduce my research agenda on infrastructure for ubiquitous computing. By building new capabilities into the environment surrounding users, we can enable people to interact more naturally with their surroundings, and we can also support their mobile devices to be more useful to them by providing services such as power, context information and I/O capabilities. I will present some of my past work in this area, in the Networked Surfaces project, the Audio Location project, and the Secure Mobile Computing project, and I will describe my current research and future agenda in this exciting space.

Bio:

James Scott is a researcher in the Sensors and Devices group at Microsoft Research Cambridge, UK. He joined Microsoft in January 2007. He previously spent four years as a researcher at Intel Research in Cambridge, UK. His PhD, at the University of Cambridge, was supervised by Prof. Andy Hopper. His research interests span a wide range of topics in ubiquitous and pervasive computing, and include novel sensors and devices, mobile interaction, wireless and mobile networking, energy management, and security and privacy. He has authored over 30 peer-reviewed publications and has served on the PCs of leading international conferences such as UbiComp, MobiSys and Pervasive, and was recently PC chair for UbiComp 2008.