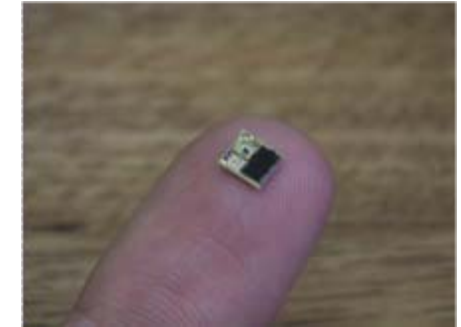# Speck NET

Research Consortium in Speckled Computing

Research Objectives
• To realise miniature (5X5X5mm) specks – each speck integrates sensing, processing, wireless networking and a battery.
• To design light-weight and power-conscious networking protocols and MAC layer for network of specks, called the specknet.
• To design decentralised, leaderless distributed algorithms for mobile, ad-hoc network of specks

Collaborative Technology Push
•Integrated Multidisciplinary Research Team comprising Computer Scientists, Electronic Engineers, Physicists and Electrochemists, drawn from five universities
• Close links with Application Developers in areas ranging from health, safety, motion tracking, gaming, geomorphology, and industrial monitoring.

Long-term Research Funding
• 2003-07 - Strategic Research Development grant from the Scottish Higher Education Funding Council
• 2005-09 – Basic Technology grant from the UK Engineering and Physical Sciences Research Council

http://www.specknet.org
Contact: DK Arvind (dka@inf.ed.ac.uk)

Partnerships
• Welcome links with academia and industry to develop specknet applications
• End-to-end development environment: speck prototype platforms, firmware, distributed algorithms, and the SpeckSim simulation environment