Enabling Anytime Anywhere Wireless Sensor Networks

John Crawford

Crossbow Technology, Inc., 41 Daggett Drive, San Jose, CA 95134 USA, www.xbow.com

Abstract. A self-configuring wireless sensor network (WSN) system will be presented. This "smart-dust" system, deployed in more than 500 installations, and based on the UC Berkeley, open-source TinyOS embedded operating system, is the most widely used WSN worldwide. Applications and their requirements and characteristics will be presented, along with markets and the latest technology. Key technical issues with real-world deployments will be explored.