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## **Industry Panel:**

### **Wireless Mesh Networking – An Industry Perspective**

#### **Organized by:**

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In the last few years, Mesh Networking has been fast becoming the mainstream solution for wireless on demand networks. Mesh networks provide a versatile solution for applications ranging from public safety and metrozone to home and office networks. While there has been a great interest in Wi-Fi based mesh networks leading to numerous city wide deployments of such networks, more recently, WiMAX has also embraced the mesh model for delivering an on demand broadband wireless experience. The efficiency, flexibility, and low cost of mesh networking have been the main driving force behind the standardization efforts in IEEE 802.11s and IEEE 802.16j for Wi-Fi based and WiMAX based mesh networks, respectively. We have invited industry experts, including vendors, R&D leaders, and operators from different industry segments to provide their insights and perspective into Mesh Networking.

#### **Panelists:**

**Michael Bahr** is a Research Scientist at Siemens Corporate Technology. He received his Master of Science in Symbolic Computation from the University of Bath, UK, in 1995 and his German Diploma in Computer Science from the University of Rostock, Germany, in 1997. He joined Siemens Corporate Technology in 1998 and has been working on network simulations and traffic engineering. He had been working at the International Computer Science Institute in Berkeley, CA, USA for one year in 2000/2001. Michael Bahr has been working in the area of mobile ad hoc networks and wireless mesh networks since then. He is an active participant of the IEEE 802.11s WLAN mesh networking standardization.

**Guido R. Hiertz** is pursuing his PhD with the Chair of Communication Networks (ComNets) at RWTH Aachen University in Germany. His main research fields are protocols for Gigabit and Wireless Mesh Networks. As a representative of his research partner Philips, he participates in the WiMedia Alliance and Wi-Fi Alliance. He is a voting member of IEEE 802.11 and supports Philips in IEEE 802.11 and 802.15 since 2003. He is a charter member of the industry forum Wi-Mesh Alliance that created the initial draft of IEEE 802.11s jointly with the company consortium SEE-Mesh.

**Roger Karrer, PhD.**, is a Senior Research Scientist at the Deutsche Telekom Laboratories in Berlin. He got his Ph.D. in Computer Science in 2002 from ETH Zurich. After 2 years as a PostDoc at Rice University in Houston, he joined the T-Labs in 2005. His research interests include wireless mesh networks, security in networks, network protocols and architectures and multimedia streaming. Among others, he is the project leader of the Magnets project where a wireless mesh network of 100 outdoor nodes is currently deployed with heterogeneous technology. Moreover, he is involved in 3 EU projects from 2008-2011, of which one focuses on carrier-grade wireless mesh networks and two on clean slate Internet design.