

## **Networks in Motion: Mobile IP Allows Networks to Roam**

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### **Abstract**

This session will discuss the mobile IP technology that allows an entire network and its connected devices to roam across the network boundaries and connection types. It would cover the significance of this solution on the industry's wireless infrastructure, its impact on users, the benefits and the market opportunities.

The session will describe how the Mobile Network operates over cellular, satellite and other types of communications networks, and how users stay connected during long periods of transit over wide geographic areas. The speaker will also illustrate the current deployments of mobile networks in low-earth orbit satellites, coast guard vessels, and ambulances.

Attendees to this session will learn about the technological advances behind the mobile IP integration of the Wireless Internet, and how this pushes the intelligence of a wireless network closer to the network edge where information is more accessible to users needing data services. The speaker will also review the status of wireless technologies and the protocols, standards that support Mobile IP, and the future opportunities for Mobile Networks in trains, planes, ships, trucking fleets.

### **Biography of Technology Speaker**

**Vinay Anand** ([vanand@cisco.com](mailto:vanand@cisco.com)) has more than 10 years of networking and communications industry experience. Vinay has been with Cisco since 1994 and is currently the product manager for Mobile IP where his responsibilities include strategic planning, market development, and product life cycle for Cisco's Mobile IP technologies. Additionally, he serves to evangelize the technology throughout the company and the industry, and in mentoring staff. Previously, he was product manager for Internet Broadcasting and Multicast technologies at Cisco.

Prior to joining Cisco, Vinay worked on network monitoring and system management applications at a Silicon Valley startup, The Qualix Group. He has also worked with the Los Alamos National Labs in research on intrusion detection and network security, and network management of large cellular networks.

Mr. Anand has extensive experience speaking to both large and small groups in academia and in the industry including the IMTC Forum 2000, Ottawa, Canada; DV & Web Expo 2000, Interactive Music Expo, and IMX 2000, and COMNET 2001.

Mr. Anand was awarded a master's degree in Computer Science from the University of New Mexico, and an MBA from the Haas School of Business at University of California, Berkeley.