

Luncheon Panel Proposal  
IP Multimedia Systems for Next Generation Wireless and Wireline Networks  
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Motivated by revenue generation, wireless and wireline carriers are increasingly deploying IP Multimedia Systems (IMS). Many carriers have undertaken trials to study the flexibility in deployment of new services to increase revenue as well as to determine the scalability of IMS based networks. In comparison to operations expenditures (OPEX) of legacy wireless and wireline networks, IMS based networks are expected to cost effectively leading to reduced OPEX. Market studies by IN-STAT show that subscription to IMS-based services will increase from 10 million in 2007 to over 500 million by 2011. The studies also project that IMS equipment vendors will see carriers spend \$12 billion by 2011.

This panel will discuss the importance of IMS to carriers and vendors and provide insights into studies such as scalability of IMS, new enhanced services facilitated by IMS and, consequently, potential for realizing increasing revenues, and retaining subscriber base.

The panel will include architects, managers, and researchers from Alltel, Motorola, and at&t. A detailed list of the panelists will be supplied.

Seshadri Mohan is currently a professor and the chair of Systems Engineering Department at the University of Arkansas at Little Rock (UALR). Prior to the current position he served as the CTO and Acting CEO of IP SerVoniX, as well as the CTO of Telsima (formerly known as Kinera), where he extensively carried out business development with carriers both in the US and India. Prior to joining Kinera, he was with Comverse, Wakefield, Massachusetts, as chief technology officer. At Comverse, he was responsible for starting and guiding an advanced development center, developing architectures and solutions to facilitate the development of wireless and next generation messaging products, enhancing the patent portfolio, and conducting and advising technology strategies. Besides these positions, his industry experience spans Telcordia (formerly Bellcore) and Bell Laboratories. At Telcordia, he led many projects in the area of wireless and next generation technologies, including advancing a multimedia-capable softswitch. Prior to joining Telcordia, he was an associate professor at Clarkson and Wayne State Universities, where he developed the communications curriculum and conducted research in computer networking and source coding algorithms.

Dr. Mohan has authored/coauthored over 85 publications in the form of books, patents, and papers in refereed journals and conference proceedings. He has co-authored the textbook *Source and Channel Coding: An Algorithmic Approach*. He has contributed to

several books, including *Mobile Communications Handbook* and *The Communications Handbook* (both CRC Press). He holds several patents in the area of wireless location management and authentication strategies. He received the *SAIC 1997 Publication Prize for Information and Communications Technology*. He has served on the Editorial Boards of *IEEE Personal Communications* and *IEEE Surveys* and as conference chair for many international conferences and workshops. He has also served as a Guest Editor for several Special issues of *IEEE Network*, *IEEE Communications Magazine*, and *ACM MONET*. Dr. Mohan holds a Ph.D. degree in electrical and computer engineering from McMaster University, Canada, the Masters degree in electrical engineering and computer science from the Indian Institute of Technology, Kanpur, India, and the Bachelors degree in Electronics and Telecommunications from the University of Madras, India.