

Future of Wireless & Key Areas of Research & Innovation - From Convergence to Seamless User Experience

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Abstract

This talk outlines the emerging and the future wireless world, and discusses the end-to-end technology/service evolution in an increasingly converged and seamless environment, in the next 1 to 8 years. It focuses on user-experience, new paradigms, technology/service innovations, global research, industry trends and standardization.

A holistic view is outlined which includes an end-to-end understanding of how each of the building blocks (user interaction, converged open service environment, user device innovations and management, service enablers, core network, and mobile/nomadic access mechanisms) evolves, and how the entire picture serves, in phases, to enable the future mobile society.

The vision of the future towards an increasingly user-centric and seamless access across smart user cyber-spaces is presented. This includes maturing the convergence of mobile/nomadic/fixed digital industry, powered by IP Multimedia technologies and broadband wireless access (from 3G/802.x to beyond 3G), and evolving further to enable ubiquitous communications. Accordingly, an end-to-end perspective on key research topics of the coming years is shared, to interact and encourage focus and collective energy for future research and innovations.