



# From the Labs Wireless and Mobility Track

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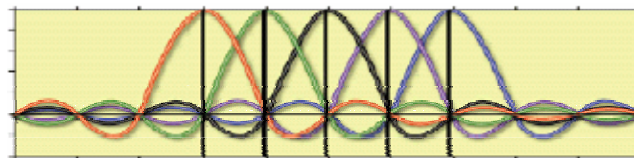
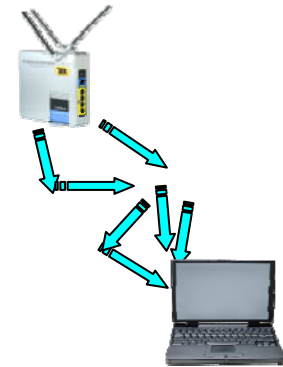
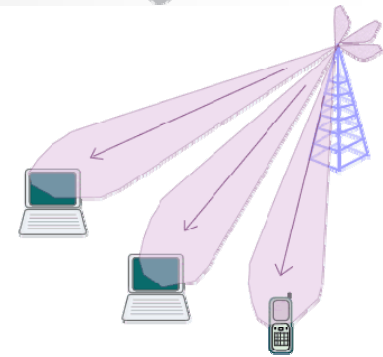
Interop Las Vegas

May 22, 2007

# Moderator's Perspective



- ❑ **Fanny Mlinarsky**, President, octoScope
- ❑ Origins: analog wireless transmission
- ❑ Today: age of OFDM, MIMO, smart antennas
  - 802.11n, 802.16 and 3GPP/LTE
- ❑ Multiple services may soon share lightly regulated spectrum (IEEE 802.11y, 802.16h)
  - 3650-3700 MHz band is just the beginning
- ❑ Broadcasting is going digital: ATSC, DVB-H/T, ISDB-T, HD-Radio, T-DMB, DAB, DRM
- ❑ Advancements in ADC technology and broadband RF transceivers hold promise for SDR
- ❑ Gigabit wireless is on the horizon



**MIMO**

**OFDM**

# Panelists

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- **Mark Hung**, Director of Strategic Marketing, Atheros
  - Where next-generation and legacy technologies intersect, how they co-exist and benefit users
- **Russell Cyr**, CMO and Co-Founder, BitWave Semiconductor
  - RF technology enabling Software Defined Radio (SDR)
- **Mike Ziehl**, VP of Marketing and BD, Kenet
  - Low power ADCs enabling SDR in a variety of platforms
- **Ambatipudi Sastry**, CTO and Co-Founder, PacketHop
  - Multicasting and QoS methods that enhance the performance of video in wireless mesh networks
- **Darwin Engwer**, Strategic Technology Architect, Nortel
  - Recently formed Gigabit Wireless Study Group of IEEE 802.11; bandwidth trends in 802.11 and WLANs