



Future Directions: Advanced Wireless Technologies

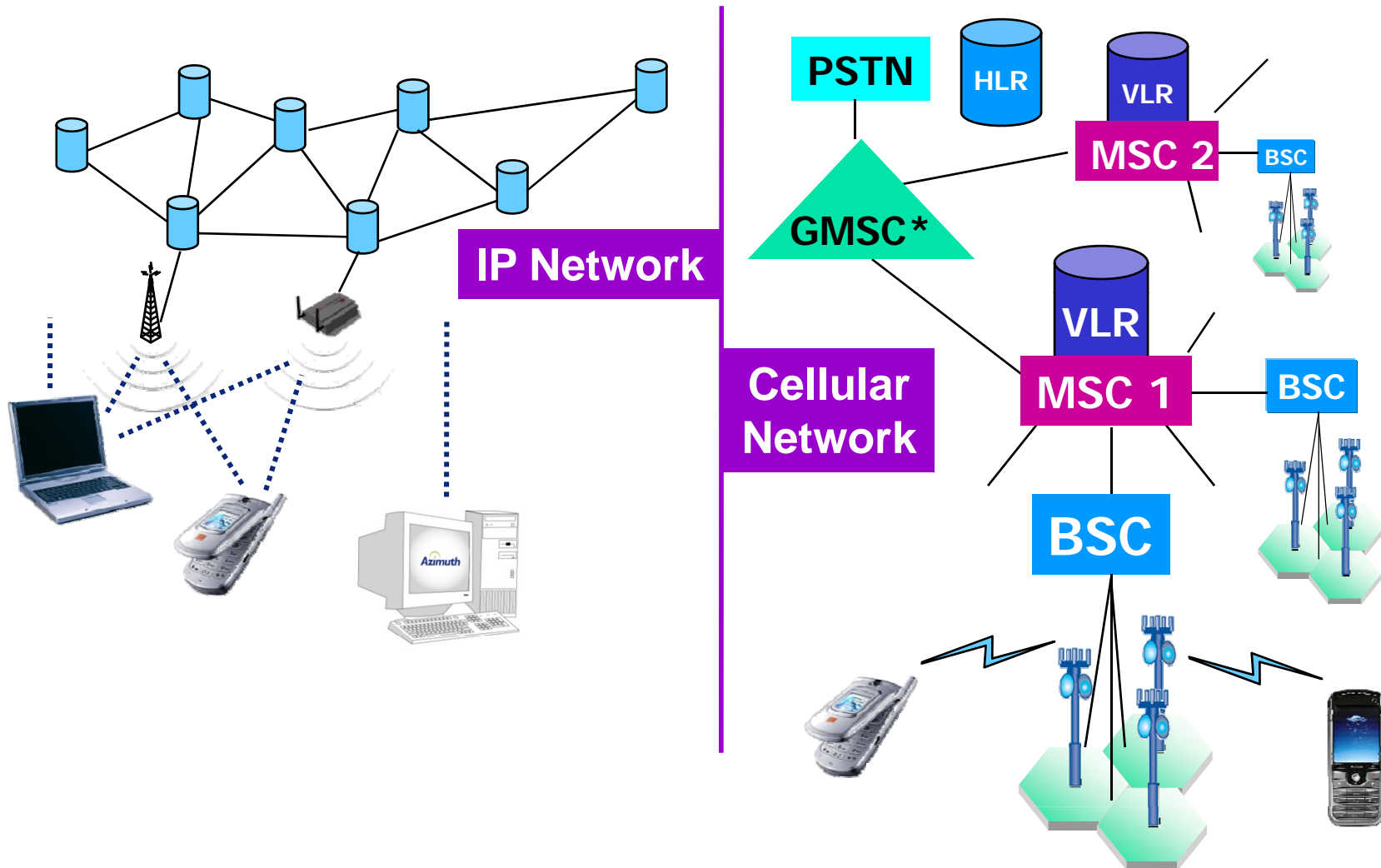
Interop/NYC
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Fanny Mlinarsky
octoScope, Inc.

Presenters



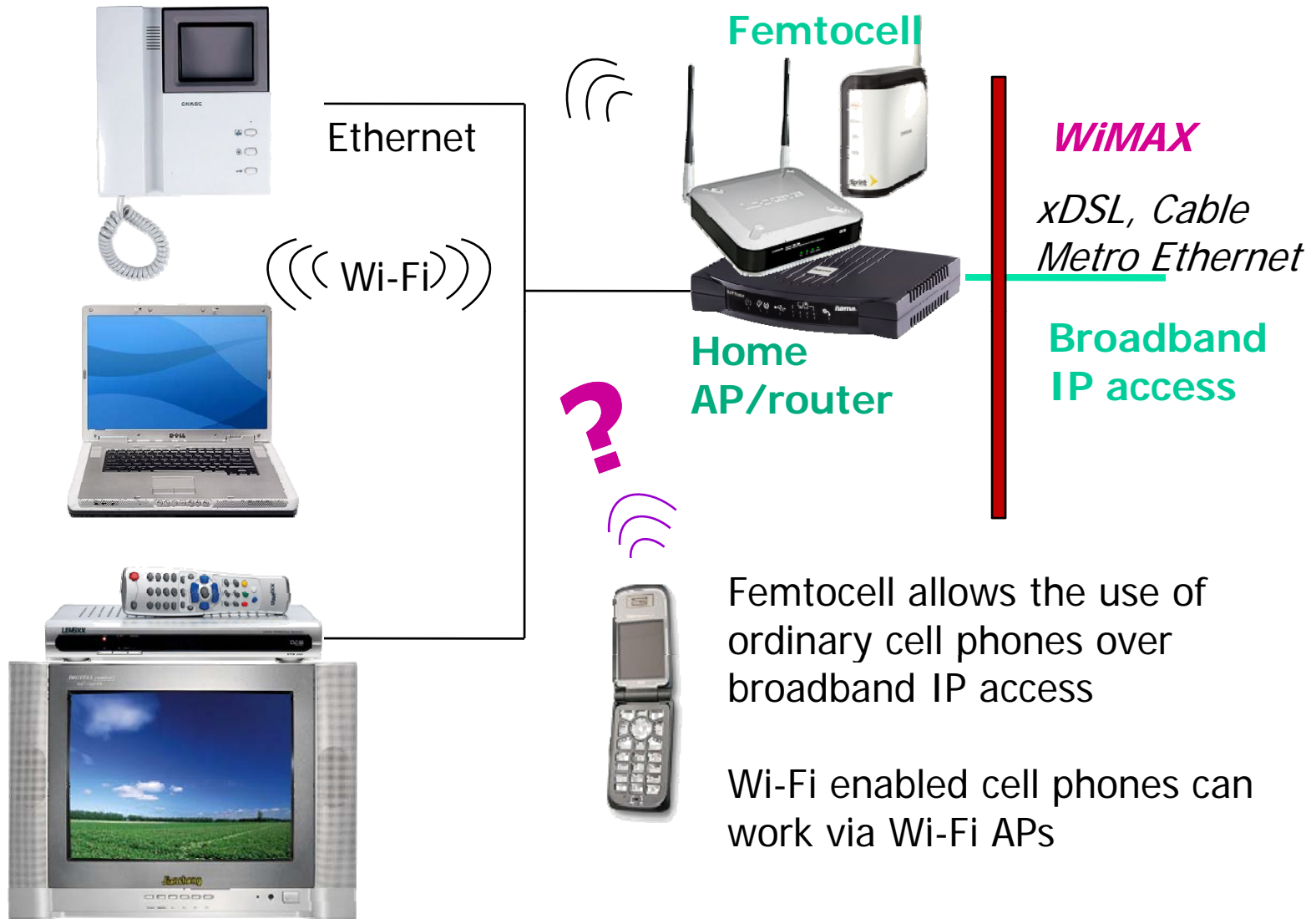
- **Moderator - Fanny Mlinarsky**, President, octoScope
- **Roel Peeters**, VP Marketing and Co-Founder, Ozmo Devices
 - Wi-Fi based PAN enabling Bluetooth, MP3, Wi-Fi headphones or speakers and video transmission
- **Steve Muir**, CTO, Vanu
 - Flexibility, adaptability and upgradability of Software Radio for infrastructure PCs, consumer electronics and next-gen cell phones
- **Russell Cyr**, CMO & Co-Founder, Bitwave Semiconductor
 - Broadband RF front end for Software Radio to address “always on” and increasing bandwidth needs of quickly evolving wireless applications
- **Sheung Li**, Director of Product Development and Marketing, SiBEAM
 - An introduction to gigabit wireless technology and its use in the consumer, enterprise, and mobile markets
- **David Britz**, Principal Technical Staff Member, AT&T Labs
 - Operation in the 300 GHz to 1 Terahertz band – unlicensed spectrum with unique operational conditions and mild molecular attenuation, enabling 10-100Gbps small area wireless networks

IP Networks vs. Cellular



*Gateway Mobile Switching Center

Home Networking



Femtocell

Ethernet

(((Wi-Fi)))

Home AP/router

WiMAX

xDSL, Cable
Metro Ethernet

Broadband IP access

Femtocell allows the use of ordinary cell phones over broadband IP access

Wi-Fi enabled cell phones can work via Wi-Fi APs

- ❑ Wireless Communications

- Architecture
- Design
- Performance Analysis
- Test
- Intellectual Property
- Due Diligence

Wi-Fi
WiMAX
LTE
HSPA
UMTS
CDMA
GSM

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