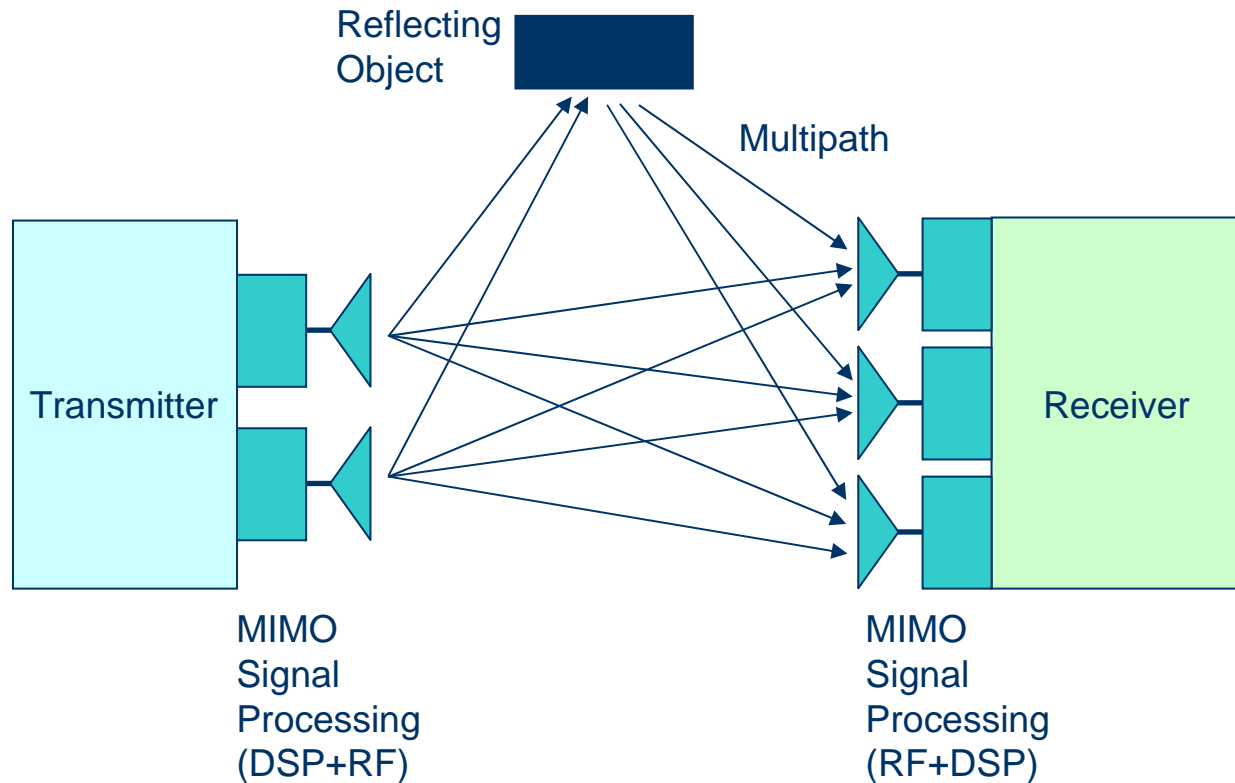


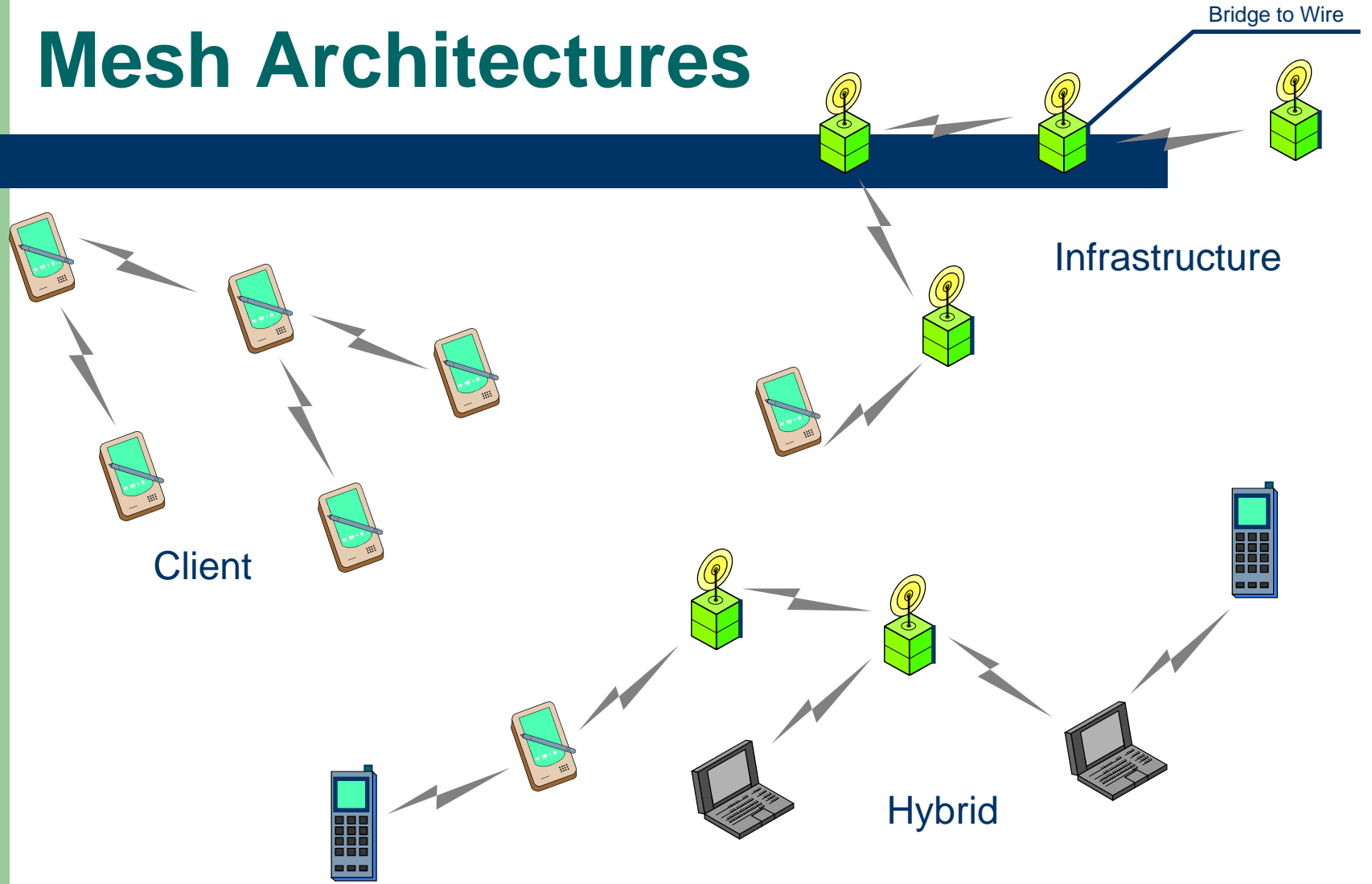
# Next-Generation Wireless: MIMO, Meshes, and Software-Defined Radio

C.J. Mathias  
*Interop 2005*  
5 May 2005

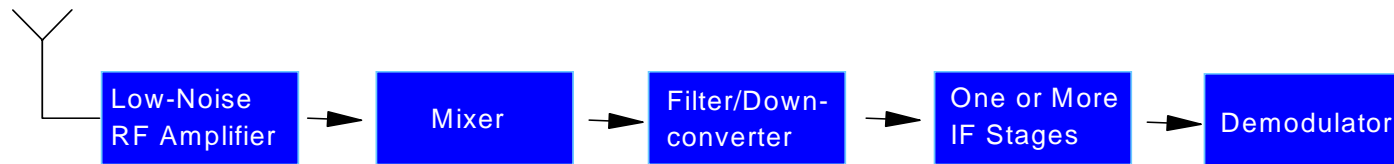
# MIMO Example – 2T, 3R



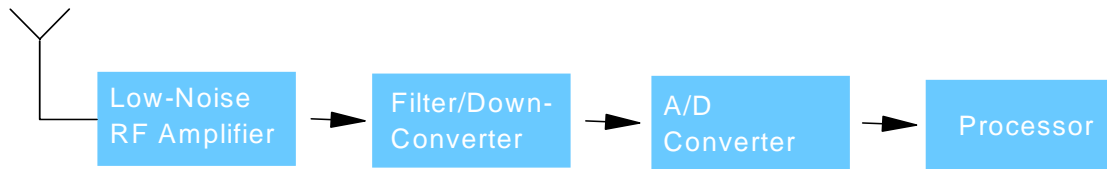
# Mesh Architectures



# SDR Block Diagram (receiver only)



Conventional Radio



Software-Defined Radio

# Our Speakers Today...

- Ann Sun, Senior Manager, Market Development, Wireless Networking, *Cisco Systems*
- Amit Sinha, VP and Chief Technologist, *Engim*
- Rupert Baines, VP Marketing, *picoChip Designs Ltd.*
- Ronald M. Hickling, Co-Founder, CTO, Director, *TechnoConcepts*
- Devabhaktuni “Sri” Srikrishna, Founder and CTO, *Tropos Networks*
- Bill Kish, CTO, *Video54*