



MTT-20 Mission Statement

The mission of the Committee on Wireless Communications is:

- To enlighten and educate the MTT membership in the area of wireless communications
- To enlighten and educate members of other IEEE Societies in the RF/microwave aspects of wireless communications
- To support other technical groups, societies, and publications in organizing and disseminating information on wireless communications



Some Areas of Interest

- Personal wireless communications
 - terrestrial, satellite, LANs
- Wireless data services
- Wireless video services
- LMDS/MMDS services
- Propagation issues
- RF tags
- Wireless component design, manufacturing, packaging and sub-system integration techniques
- Economic and regulatory issues in wireless communications systems



Wireless Sessions at '97 IMS

- * TU2A : Plenary Session: New Microwave Telecommunications Infrastructures
- * TU3A : Joint RFIC and IMS Session: Monolithic Wireless Technology
- * TU3C : Focused Session: Acoustic Wave Devices for Portable Telecommunication
- * TH2C : Devices and Circuits for Wireless Power Applications
- * TH3A : Wireless Components and Systems

1997 IEEE MTT-S IMS Workshops									
	7 AM Breakfast	8 AM	Break	12 PM Lunch	1 PM	Break	5 PM		
Sunday June 8		WSA The Emergence of Mobile Distribution Systems (MEMS, LDCS)							
		WSB Low Voltage, Low Power Consumption RFICs for Wireless Communication Products							
		WSC Measurements for Silicon and GaAs Telecommunication ICs							
Monday June 9		WMA State-of-the-Art Filter Design Using EM and Circuit Simulation Techniques							
		WMB Microwave and Millimeter Wave Optoelectronic Integrated Circuit Modules: Manufacturing and Applications							
		WMC Nonlinear Measurements and Modeling							
		WMD Cryogenic Packaging of Electronic Subsystems and Their Applications							
		WME System Requirements for Ferrite Components				WML Ferrite Measurements and Device Applications			
		WMF Next-Generation High-Speed Mixed Signal Testing				WMO EM Waves in Artificial Structures (PECs)			
		WMS Millimeter Wave Opportunities for Automotive and Earth Applications				WMP Digital Frequency Synthesizer Technology and Application			
		WMH Emerging Business Issues in Microwave Technology				WMI Telecommunications and Spectrum Policy for the Microwave Engineer			
	Friday June 13		WFA Low-Cost Millimeter Wave Products: Design and Manufacturing Issues						
			WFB Power Amplifier Design for Digital Wireless Systems						
		WFC Enclosures and Packaging for RF Wireless Communications Systems							
		WFD Nonlinear Frequency-Domain Device Modeling and Circuit Simulation				WFG Optical Amplifiers in Microwave Systems			
		WFE Applications of Artificial Neural Networks to Microwave Design				WFH Epitaxial Materials Manufacturing for HEMTs and HBTs			
		WFF Quasi-Optical Power Combining				WFI World Wide Web Site Basics			



Wireless Panel Sessions at '97 IMS

- PA: Device Technology Choices for Commercial Portable Power Amplifier Products
- PB: Transceiver Technology for Multi-mode Wireless Personal Networks
- PF: Radio Frequency Identification Tags and Data Cards



Other Activities

- Wireless Workshop at EuMC'97 (with lots of help from Terry Oxley)
- Wireless Communications Conference (Boulder)
- Topical Symposium on Technologies for Wireless Applications (Vancouver)