1997 IEEE MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM/MICROWAVE WEEK

SESSION TIME	MORNING 8–9:40 AM	MORNING 10:10–11:50 AM	LUNCHTIME 12–1:15 PM	AFTERNOON 1:20–3 PM	AFTERNOON 3:30–5:10 PM	EVENING
Sunday, June 8	Workshop Registration 7 to 9 AM		Workshop Lunch 12 to 1 PM			Registration 5 to 9 PM; RFIC Reception 7 to 10 PM *Marriott*
	WSA: The Emergence of Multipoint Distribution Systems (MMDS, LMDS)					
	WSB: Low Voltage, Low Power Consumption RFICs for Wireless Communications Products					
	WSC: Measurements for Silicon and GaAs Telecommunication ICs					
Monday, June 9	Registration 7 AM to 5 PM					*Microwave Journal*/ MTT-S Reception 6 to 10 PM *Denver Museum of Natural History*
	RFIC Symposium 8:30 AM to 5 PM					
	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: Ferrite Components		**PA:** Device Technology Choices for Commercial Portable Power Amplifier Products	**WMI:** Ferrite Measurements		
	WMF: Mixed Signal Testing			**WMJ:** EM Waves in Artificial Structures		
	WMG: Automotive and Radio Applications			**WMK:** Digital Frequency Synthesizers		
	WMH: Business Issues			**WML:** Telecommunications and Spectrum Policy		
Tuesday, June 10	Registration 7 AM to 5 PM					IMS Rump Session HF to UHF Design and Applications 7 to 9 PM *Adam's Mark*
	IMS Exhibition 9 AM to 5 PM					
	in APS, 12 to 5 PM					
Room A201	**TU1A:** Joint RFIC and IMS Session: Amplifier Technology	**TU2A–***Ballroom* *Plenary Session:* New Microwave Telecommunications Infrastructures ***Keynote Speakers:*** Bernard B. Bossard, Chief Technical Officer, CellularVision USA; Robert C. Dixon, Chief Scientist, Omnipoint Corp.	**PB:** Transceiver Technology for Multi-mode Wireless Personal Networks; **PC:** IC Reliability Needs for Commercial Applications	**TU3A:** Joint RFIC and IMS Session: Monolithic Wireless Technology	**TU4A:** Joint RFIC and IMS Session: Millimeter-wave Monolithic Circuits	
Room A209	**TU1B:** *Focused Session:* Millimeter Waves over Fiber Systems			**TU3B:** *Focused Session: EM* Wave Interactions with Electron Devices and Circuits	**TU4B:** Passive Components I	
Room A102	**TU1C:** *Focused Session:* Microwave Applications of Silicon Carbide			**TU3C:** *Focused Session:* Acoustic Wave Devices for Portable Communications	**TU4C:** Superconductive Technology	
Room A101	**TU1D:** Numerical Methods in Time Domain I			**TU3D:** Numerical Methods in Frequency Domain I	**TU4D:** Numerical Methods in Time Domain II	
Room A108	**TU1E:** Medical Applications and Biological Effects			**TU3E:** Analog Fiber Optic Link Technology	**TU4E:** Microwave Photonic Systems and Components	
Wednesday, June 11	Registration 7 AM to 5 PM					Industry-hosted Cocktail Reception 5:45 to 7:15 PM *Adam's Mark*; Awards Banquet 7:30 to 10 PM *Adam's Mark*
	IMS Exhibition & in APS 9 AM to 5 PM					
	Interactive Forum I, 2:30 to 5 PM – *Ballroom*					
Room A201	**WE1A:** Nonlinear Modeling and Analysis	**WE2A:** Packaging and Interconnect Technologies	**PD:** Packaging Techniques for Optical/ Microwave Modules	**WE3A:** Advanced CAD Methodologies	**WE4A:** Electromagnetic Theory Based CAD	
Room A209	**WE1B:** Passive Components II	**WE2B:** High Power Sources and Control components		**WE3B:** Frequency Converters and Mixers	**WE4B:** Millimeter-wave Mixers and Switches	
Room A102	**WE1C:** Millimeter-wave Devices and Components	**WE2C:** Millimeter and Sub-millimeter Waves: J.C. Bose Memorial Session		**WE3C:** Quasi-optical Amplifiers	**WE4C:** Quasi-optical Oscillators	
Room A101	**WE1D:** Digital Microwave Circuits	**WE2D:** Phased Arrays		**WE3D:** Active and Planar Filters	**WE4D:** Passive Bandpass Filters	
Room A108	**WE1E:** New Leakage Effects in Planar Guiding Structures	**WE2E:** Guided Waves and Discontinuity Effects		**WE3E:** Hybrid Interconnections and Components	**WE4E:** Ferrite Devices: Modeling and Applications	
Room A109		Student Paper Contest 1		Student Paper Contest 2	Student Paper Contest 3	
Thursday, June 12	Registration 7 AM to 5 PM					
	IMS Exhibition and in APS 9 AM to 3 PM					
	Interactive Forum II, 2:30 to 5 PM – *Ballroom*					
Room A201	**TH1A:** Innovations in Microwave Systems	**TH2A:** Transportation Systems Technology	**PE:** Balancing the Tradeoffs between Thermal Management and Electrical Performance in Microwave Packaging; **PF:** Radio Frequency Identification Tags and Data Cards	**TH3A:** Wireless Components and Systems	**TH4A:** Antennas and Systems for Personal Communications	
Room A209	**TH1B:** Microwave Metrology and Standards: A Historical View	**TH2B:** Low Noise Millimeter-wave Components				
Room A102	**TH1C:** Millimeter and Microwave Power Amplifiers	**TH2C:** Devices and Circuits for Wireless Power Applications		**TH3C:** High Power Transistors Amplifiers		
Room A101	**TH1D:** Signal Generation	**TH2D:** Probing Techniques and Dielectric Measurement		**TH3D:** Topics in Microwave Measurements	**TH4D:** *Joint with ARFTG:* Crosstalk, Coupling and Multi-conductor Transmission Lines	
Room A108	**TH1E:** Application Oriented Concepts in Field Theory	**TH2E:** Recent Developments in Field Theory		**TH3E:** HBT/HEMT Modeling	**TH4E:** Numerical Methods in Frequency Domain II	
Friday, June 13	ARFTG Conference & Exhibition 7:30 AM to 5 PM, *Brown Palace Hotel: Broadband Telecommunications*					
	WFA: Low-cost Millimeter-wave Products: Design and Manufacturing Issues					
	WFB: Power Amplifier Design for Digital Wireless Systems					
	WFC: Interconnects and Packaging for RF Wireless Communications Systems					
	WFD: Nonlinear Frequency-domain Device Modeling		Workshop Lunch 12 to 1 PM; ARFTG Lunch 12 to 1 PM	**WFG:** Optical Amplifiers for Microwaves		
	WFE: Applications of ANNs			**WFH:** Epitaxial Materials		
	WFF: Quasi-optical Power Combining			**WFI:** World Wide Web Site Basics		