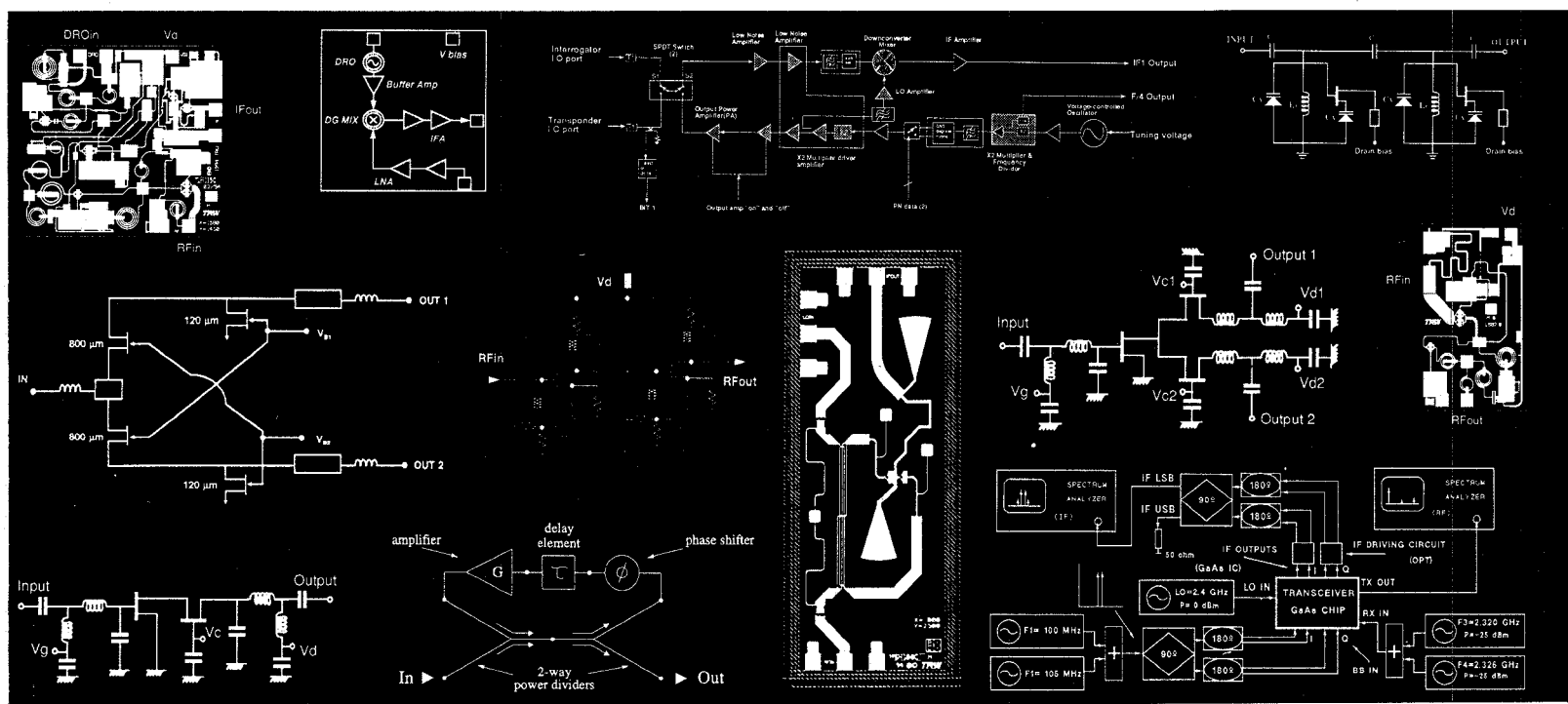


IEEE 1995 MICROWAVE AND MILLIMETER-WAVE

MONOLITHIC CIRCUITS SYMPOSIUM

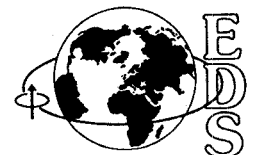
DIGEST OF PAPERS



ORLANDO, FLORIDA

MAY 15-16, 1995

**Sponsored by
THE IEEE MICROWAVE THEORY AND TECHNIQUES SOCIETY
and
THE IEEE ELECTRON DEVICES SOCIETY**



1995 IEEE MTT-S International Microwave Symposium – Schedule of Events

SUN. – MAY 14	Registration		5:00 PM to 9:00 PM		Convention Center (CC)
	MMWMC Reception		7:00 PM to 10:00 PM		Clarion Plaza
	8:00 AM– 5:00 PM	WSFA ICs for Wireless Communications		CC, Hall A1	
MON. – MAY 15	Registration		7:00 AM to 5:00 PM		CC
	8:00 AM– 5:00 PM	WMFB HTS & Cryogenic Electronics	CC, Rm. 20B	WMFE Automatic Circuit Design	CC, Rm. 20F
		WMFC Traveling Wave Tube Technology	CC, Rm. 20C	WMFF Photonic Guided Wave Structures	CC, Rm. 20G
		WMFD MW Filters & Passive Components	CC, Rm. 20E	WMFG Field Theoretical Problems for Wireless	CC, Rm. 21
	8:00 AM–12:00 PM	WMHH Advances in MW and mm-Wave Oscillator Design		CC, Rm. 23A	
	1:00 PM– 5:00 PM	WMHA Chaos in Microwave Systems	CC, Rm. 20A	WMHI Packaging Technology	CC, Rm. 20D
	12:00 PM– 1:30 PM	PMOA Cost Effective MMICs for WLANs: Fact or Fantasy		CC, Rm. 12A/B	
	MMWMC Symposium		8:30 AM to 5:00 PM		Convention Center
	Microwave Journal/MTT-S Magic Night		6:00 PM to 8:00 PM		Church Street Station
	Registration		7:00 AM to 5:00 PM		Convention Center
TUES. – MAY 16	MMWMC Symposium		8:30 AM to 5:00 PM		Convention Center
	Exhibition		9:00 AM to 5:00 PM		Convention Center
		RM A1	RM A2	RM 12A, B, C	RM A3
	8:30 AM–10:00 AM	TU1A: Systems Applications	TU1B: Progress in Time Domain Techniques	TU1C: Photonic Devices	TU1D: Sources and Control Components
	10:30 AM–12:00 PM	TU2G Plenary Session			CC, Hall A5
	12:00 PM– 1:30 PM	PTUB PHEMTs vs HBTs for Power Amplifiers			CC, Rm. 20D
	1:30 PM– 3:00 PM	PTUC Spectrum Management Issues for Commercial Applications			CC, Rm. 20E/F/G
		TU3A: Mixers & Related Components	TU3B: Leaky Waves	TU3C: mm-wave Frequency Optical Detectors	TU3D: High Density MW Packaging
	3:30 PM–5:00 PM	TU4A: Monolithic Receiver Components	TU4B: Leaky Wave Effects & Discontinuities	TU4C: High Speed Optical Modulators	TU4D: Field Theory I
					TU4E: Biological Effects & Medical Applications
	7:00 PM– 9:00 PM	RTUA Microwave Curriculum: What Should We Teach About MW Design			Clarion Plaza Hotel, Ballroom C
	Registration		8:00 AM to 5:00 PM		Convention Center
	NTC		8:30 AM to 5:00 PM		Convention Center
	Exhibition		9:00 AM to 5:00 PM		Convention Center
WED. – MAY 17	8:30 AM–10:00 AM	WE1A: MW Power Devices & Amplifiers	WE1B: Application of Time Domain Methods	WE1C: Miniaturized Filters	WE1D: Wireless Communication Systems
	10:30 AM–12:00 PM	WE2A: MW Power Devices & Amplifiers II	WE2B: Frequency Domain EM Modeling	WE2C: Coupled-Mode Waveguide Filters	WE2D: Wireless Technologies
	12:00 PM– 1:30 PM	PWED Microwave Flip Chip Technology			CC, Rm. 20E/F/G
	1:30 PM– 3:00 PM	WE3A: Power Amps for Wireless Applications	WE3B: Quasi-Optical Passive & Active Amp Arrays	WE3C: Active Device Modeling	WE3D: Field Theory II
	2:30 PM– 5:00 PM	WE3F Open Forum			CC, Hall A5
	3:30 PM– 5:00 PM	WE4A: Acoustic Filters	WE4B: Active & Quasioptic Antennas	WE4C: Noise Modeling	WE4D: Subsystems for Commercial Communications and Auto Applications
					WE4E: Passive Waveguide Components
	Industry-Hosted Cocktail Reception		5:45 PM to 7:15 PM		Clarion Plaza Hotel, Ballroom A
	Awards Banquet		7:30 PM to 10:00 PM		Clarion Plaza Hotel, Ballroom C/D
	Registration		8:00 AM to 5:00 PM		Convention Center
THUR. – MAY 18	NTC		8:30 AM to 5:00 PM		Convention Center
	Exhibition		9:00 AM to 3:00 PM		Convention Center
	8:30 AM–10:00 AM		TH1B: Digital Signal Processing	TH1C: On-Wafer Measurements	TH1D: Dual-Use & Defense Conversion
	10:30 AM–12:00 PM	TH2A: Phased & Active Array Technology	TH2B: Low Noise Receivers	TH2C: MW Measurements	TH2D: Lightwave Systems & Subsystems
	1:30 PM–3:00 PM	TH3A: Phased Array Antennas & Systems	TH3B: Nonlinear Transistor Modeling	TH3C: Full Wave Analysis	TH3D: MW Optical Devices & Circuits
	2:30 PM–5:00 PM	TH3F: Open Forum			CC, Hall A5
	3:30 PM–5:00 PM		TH4B: Nonlinear Devices & Circuits	TH4C: MW Packaging & Interconnect	TH4D: Hi Power Sources & Control Components
					TH4E: Transmission Lines, Amps & Control Devices
	ARFTG Conference		8:30 AM to 5:00 PM		Convention Center, Rm. 20
	8:00 AM– 5:00 PM	WFFA Silicon RF Technologies	CC, Rm. 10C	WFFE CAD for Commercial Applications	CC, Rm. 12B
FRI. – MAY 19		WFFB GaAs HBTs	CC, Rm. 12A	WFFF IC Antenna Modules	CC, Rm. 12C
		WFFC MW Vehicular Technology	CC, Rm. 11A	WFFG Power Devices & MMICS	CC, Rm. 11C
		WFFD MW & mm-Wave Synthesizer	CC, Rm. 11B	WFFH MHD and Standards	CC, Rm. 10A
	8:00 AM–12:00 PM	WFHI Microwave Applications of Ferroelectric Ceramics		CC, Rm. 10B	
	8:30 AM– 5:00 PM	SSFA Applications of Digital Signal Processing to Digital Receivers			Clarion Plaza Hotel