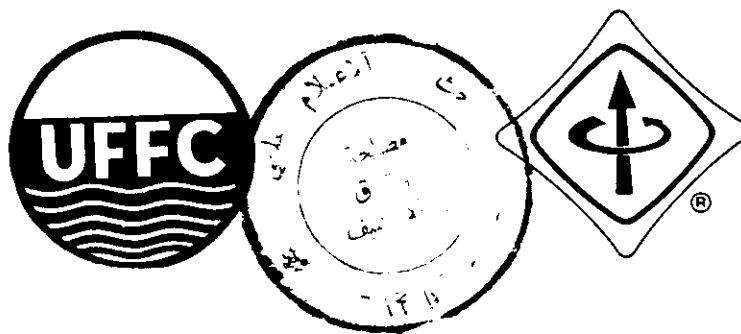




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PROCEEDINGS

B. R. McAvoy
Editor

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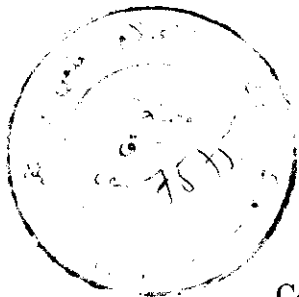
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As it did last year, the level of participation in this year's Proceedings exceeds 95% of all the papers presented at the 1992 Ultrasonics Symposium.

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1992 IEEE Ultrasonics Symposium • Condensed Program

MONDAY, OCT. 19	Registration 6:00 p.m. – 9:00 p.m.			
TUESDAY, OCT. 20	Registration 7:30 a.m. – 1:30 p.m., 5:30 p.m. – 9:00 p.m. Short Courses: Course 1: Piezoelectric Materials for Ultrasonic Transducers: Piezocomposites and Beyond (<i>Plaza Meeting Room</i>) Course 2: Basic Ultrasound Principles and Their Connection to Medical Ultrasound (<i>Plaza Meeting Room</i>) Course 3: Medical Imaging (<i>Plaza Meeting Room</i>) Course 4: Bulk Wave Resonators and Transducers (<i>Forum Meeting Room</i>) Course 5: High Stability SAW Oscillators: Design and Performance (<i>Forum Meeting Room</i>) Course 6: Fundamentals of Ultrasonic Sensors (<i>Forum Meeting Room</i>)			
8:00 a.m. – 12:00 noon 1:00 p.m. – 5:00 p.m. 6:00 p.m. – 10:00 p.m. 8:00 a.m. – 12:00 noon 1:00 p.m. – 5:00 p.m. 6:00 p.m. – 10:00 p.m.	Registration 7:30 a.m. – 5:00 p.m. Plenary Session — Located in Leo Rich Theater in Tucson Convention Center Refreshments — Exhibits Area			
	EMPIRE EAST	STARLIGHT ROOM	FORUM MEETING ROOM	EMPIRE WEST
10:30 a.m. – 12:00 noon	A Therapeutic Ultrasound	B Acoustic Microscopy I: Techniques	C Geophysical Acoustics	D Analysis & Compensation of SAW Filters
12:00 noon – 1:30 p.m.	Lunch			
1:30 p.m. – 3:00 p.m.	E Hyperthermia	F Acoustic Microscopy II: Applications	G Ultrasonic Motors	H SAW Resonators
3:00 p.m. – 3:30 p.m.	Refreshments — Exhibits Area			
3:30 p.m. – 5:30 p.m.	Posters (PA-PL): Empire Center and Lobby Area PA Image Processing PB Transducer Materials & Technology PC Medical Ultrasound Topics PD NDE & Industrial Ultrasonics PE Sensors & Sonic Processing PF Ultrasonic Signal Processing PG Physical Acoustics I PH Photoacoustics & Acousto-Optics PI Physical Acoustics II PJ SAW Filters PK SAW Resonators & Oscillators and HACT Devices PL SAW Materials & Propagation			
6:00 p.m. – 9:00 p.m.	Social Gathering (<i>Starlight Room</i>)			
THURSDAY, OCT. 22	Registration 7:30 a.m. – 5:00 p.m.			
	EMPIRE EAST	STARLIGHT ROOM	FORUM MEETING ROOM	EMPIRE WEST
8:30 a.m. – 10:00 a.m.	I Clinical Imaging	J Liquids & Biosensors	K Microscopic Physical Acoustics	L Low Loss SAW Filters
10:00 a.m. – 10:30 a.m.	Refreshments — Exhibits Area			
10:30 a.m. – 12:00 noon	M Contrast Agents & Bubbles	N Ultrasonic Image Processing	O Magnetostatic Waves & Acousto-Optics	P SAW & Leaky SAW Propagation
12:00 noon – 1:30 p.m.	Lunch			
1:30 p.m. – 3:00 p.m.	Q Blood Flow	R Intelligent Processing of Ultrasonic Signals	S Lamb Waves	T SAW Resonator Filters
3:00 p.m. – 3:30 p.m.	Refreshments — Exhibits Area			
3:30 p.m. – 5:00 p.m.	U Three Dimensional Imaging	V SAW Sensors	W Bulk Resonators & Transducers	X SAW Packaging & Filters
5:30 p.m. – 10:00 p.m.	Experience the Old West — Old Tucson Studio			
FRIDAY, OCT. 23	Registration 7:30 a.m. – 1:30 p.m.			
	EMPIRE EAST	STARLIGHT ROOM	FORUM MEETING ROOM	EMPIRE WEST
8:30 a.m. – 10:00 a.m.	Y Transducer Materials	Z Laser-Based Ultrasonics	AA Metals, Superconductors, & Polymers	BB SAW System Applications
10:00 a.m. – 10:30 a.m.	Refreshments — Exhibits Area			
10:30 a.m. – 12:00 noon	CC Transducers & Arrays I	DD Characterization of Defects	EE Acousto-Optic Systems and Devices	FF Ultrasonic Properties of Tissues
12:00 noon – 1:30 p.m.	Lunch			
1:30 p.m. – 3:00 p.m.	GG Transducers & Arrays II	HH Smart Materials and Process Monitoring & Control	II NDE of Adhesive Bonds	JJ Tissue Motion
3:00 p.m. – 3:30 p.m.	Refreshments — Exhibits Area			
3:30 p.m. – 5:00 p.m.	KK Transducers: Diffraction & Aberration	LL Ultrasonic Characterization of Material Properties	MM Thin Film Properties & SAW Applications	NN Tissue Characterization Measurement Methodology
	EMPIRE EAST	STARLIGHT ROOM	FORUM MEETING ROOM	EMPIRE WEST

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