

## UIA MEDICAL WORKSHOP

Venue: Taj Mahal, Atlantic City, N.J.  
Date: May 20, 2002  
Time: 8:15 AM – 5:45 PM

### THERAPY

### BIO-EFFECTS, HIFU, AND DRUG DELIVERY

07:15 - 08:15 Registration; Continental Breakfast  
08:15 - 08:20 Introductory Remarks – UIA President  
08:20 - 08:30 Overview for Morning Session - Foster Stulen, PhD, Co-Chairman;  
Overview for Afternoon Session – Alan Winder, MEE, Co-Chairman  
08:30 - 09:30 Terry Matsunaga, PhD, (ImaRx Corporation, Invited Speaker): Targeted Microbubbles for Use as Diagnostic and Therapeutic Agents  
09:30 - 10:15 Peter Lewin, PhD (Drexel University, Invited Speaker): Therapeutic Wonders of Ultrasound  
10:15 - 10:30 Coffee Break  
10:30 - 11:00 Robert Muratore, PhD and Fred Lizzi, PhD (Riverside Research Institute): Radiation Force Elastography  
11:00 - 11:30 E. Carr EverBach, PhD, (Swarthmore College): Ultrasonically-Enhanced Thrombolysis  
11:30 - 12:00 Jeffery Vaitekunas (Ethicon Endo-Surgery): Ultrasonic Cutting of Tissue and Surrogates  
12:00 - 12:05 Closing Remarks by Co-Chairman  
12:05 - 01:15 Lunch

### THERAPY

### HEMODYNAMICS AND DEVICES

01:15 - 02:15 Flemming Forsberg, PhD (TJUH; Invited Speaker): Evaluating Angiogenesis with Applications in Ultrasound  
02:15 - 02:45 Levon Nazarian, MD (TJUH): Power Doppler Ultrasound for Planning and Guiding the Treatment of Muscular Skeletal Disorders  
02:45 - 03:15 Roger Talish, EE (S&N-Exogen): Effectiveness of Pulsed Low Intensity Ultrasound for Treating Non-Union Fractures and the Mechanical Stimuli of the MUS System  
03:15 - 03:30 Coffee Break

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### MATERIALS AND TRANSDUCER ARRAYS

03:30 - 04:00 Wes Hackenberger, PhD (TRS Technologies, Inc): Advanced Ceramic Materials and Single-Crystal Ferroelectrics for Medical Applications in the 1-20 MHz Range  
04:00 - 04:30 Rajesh Panda, PhD (Philips Medical): Some Practical Considerations in the Fabrication of 1-D Arrays Utilizing Single-Crystal Materials  
04:30 - 05:00 Bahram Jadidian, PhD (J&W Medical, LLC): Recent Developments in Piezoelectric Materials of Ultrasound Transducers in the 20-200 MHz Range  
05:00 - 05:30 Farhad Mohammadi, PhD (ACI, Inc.): Fine-Scale Polycrystalline and Pseudo Single-Crystal Piezoelectric Fibers for Medical Transducer Applications  
05:30 - 05:45 Closing Remarks – Co-Chairman; UIA President