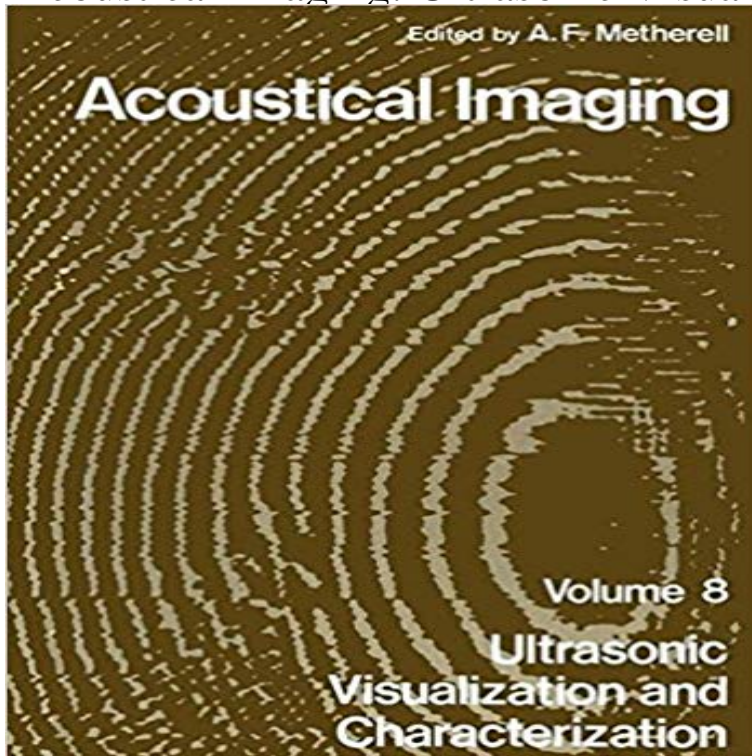


Acoustical Imaging: Ultrasonic Visualization and Characterization



This volume contains the Proceedings of the Eighth International Symposium on Acoustical Imaging, held in Key Biscayne, Miami, Florida May 29th to June 2nd, 1978. The title of the Symposium was changed again this year by dropping the word Holography to reflect the further emphasis on the general imaging aspects of the Symposium and the de-emphasis on the Holographic aspects. Because of this continued changing nature of the Symposium Series this volume has undergone the title change from ACOUSTICAL HOLOGRAPHY to ACOUSTICAL IMAGING. The 47 papers presented here illustrate the continued growth in this dynamic field. There has been a large emphasis on Array Technology as well as Underwater Applications, Seismic Applications, Transducers, New Methods, Acoustic Microscopy, Non-destructive Testing, Computer Tomography Techniques, Medical Applications as well as Tissue Characterization. The meeting was a great success and a stimulating experience for all concerned due principally to the enthusiasm and contributions of all of the authors represented here. The editor wishes to extend his appreciation and thanks to each and everyone of them. The editor also wishes to thank the members of the Program Committee who helped in selecting the papers and giving their able advice on the details of the meeting. The Program Committee consisted of Pierre Alais, University of Paris, Byron B. Brendon, Holosonics, Inc. , C. B. Burckhardt, Hoffman-LaRoche and Co. , Basle, Switzerland, Philip S. Green, Stanford Research Institute, Menlo Park, California, B. P.

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