DESCRIPTION

_Ultrasonics_ is the only internationally established journal which covers the entire field of ultrasound research and technology and all its many applications. _Ultrasonics_ contains a variety of sections to keep readers fully informed and up-to-date on the whole spectrum of research and development throughout the world. Ultrasonics publishes papers of exceptional quality and of relevance to both academia and industry. Manuscripts in which ultrasonics is a central issue and not simply an incidental tool or minor issue, are welcomed.

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Vascular ultrasound; B-mode imaging; Image analysis.
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Biomedical ultrasound; Ultrasonics of bone and cartilage; Guided waves in bone; Resonant ultrasonic spectroscopy; Nonlinear acoustics of bone; Measurement of physical properties of bone; Diagnosis and treatment of bone diseases.

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Power ultrasonics; Surgical devices; Industrial applications.

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Phonon physics; Phononic crystals; Phononic metamaterials; Ultrafast spectroscopy; Picosecond ultrasonics; Phonon imaging.

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Ultrasonic signal processing; Ultrasonic imaging; Ultrasonic NDE; Ultrasonic SHM; Ultrasonic wavefield imaging.

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Medical ultrasound; Bubbles; Antibubbles; Droplets; Cavitation; Radiation forces.

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Structural Health Monitoring (SHM); Wave Propagation; Ultrasonics; Sensors and Sensor Networks; Non-destructive Evaluation (NDE); Smart Materials and Structures; Advanced Composite Materials.

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Ultrasonic bio-effects; Safety of medical ultrasound; Therapeutic ultrasound.
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