

**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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NDT; Ultrasonics; Guided Ultrasonic Waves; Waveguide Sensors; Air Coupled Ultrasound; Materials Characterisation; Process Measurements.

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(High power ultrasonics, industrial applications, ultrasonic process monitoring, ultrasonic joining, ultrasonic cleaning and ultrasonic fatigue)

Younho Cho, School of Mechanical Engineering, Pusan National University, San 30, Jangjeon-Dong, Geumjeong-Gu, 609-735, P(B)usan, The Republic of Korea, Fax: +82 51 514 7640

Non-destructive Evaluation (NDE); Structural Health Monitoring (SHM); Guided wave ultrasonics; Non-linear ultrasonics; Tomography ultrasonics; Laser ultrasonics.

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Non-Destructive Evaluation (NDE), Structural Health Monitoring (SHM), Ultrasonic modelling, Ultrasonic guided waves.
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Vascular ultrasound; B-mode imaging; Image analysis.

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Biomedical ultrasound; Ultrasound 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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Acoustic and near field acoustic microscopy, Isotropic and anisotropic materials characterization, Non-linear ultrasonic spectroscopy, Ultrasound Spectroscopy of polycrystalline/granular materials

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Non-destructive Evaluation (NDE); Structural Health Monitoring (SHM); Guided ultrasonic wave; Wave propagation modeling; Non-linear ultrasonics.

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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.

Jennifer Michaels, School of Electrical and Computer Engineering, Georgia Institute of Technology, 777 Atlantic Drive, Atlanta, Georgia, GA 30332-0250, USA
Ultrasonic signal processing; Ultrasonic imaging; Ultrasonic NDE; Ultrasonic SHM; Ultrasonic wavefield imaging.

Michael Neidrauer, School of Biomedical Engineering, Drexel University, 3141 Chestnut St, Philadelphia, Pennsylvania, USA
Biomedical ultrasonics, Biomedical optics, Biomedical instrumentation, Acousto-optic systems, Interaction of ultrasound and biological tissue

Michiel Postema, School of Electrical and Information Engineering, University of Witwatersand, 1 Jan Smuts Avenue, 2050, Braamfontein, Johannesburg, South Africa
Medical ultrasound; Bubbles; Antibubbles; Droplets; Cavitation; Radiation forces.

Gail ter Haar, Dept. of Physics, The Royal Marsden NHS Trust, Downs Road, SM2 5PT, Sutton, UK, Fax: +44 208 643 3812
Ultrasonic bio-effects; Safety of medical ultrasound; Therapeutic ultrasound.

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