



Abstract

Customized Transducers and Systems for Ultrasonic Applications

Christian Degel
Fraunhofer Institute for Biomedical Engineering IBMT

For every ultrasound application it is necessary to adapt the transducer and the system to the requirements and environment of the respective situation. In this talk we present different customized solutions in the area of therapeutic ultrasound and sonar. The applications range from solutions using low-power single-element transducers to full 256-element antennas generating high ultrasound intensities.

Academic Institution or Organization

Fraunhofer Institute for Biomedical Engineering IBMT
Christian Degel
Group Sensors and Actuators
Headquarter: Joseph-von-Fraunhofer-Weg 1
66280 Sulzbach, Germany
christian.degel@ibmt.fraunhofer.de
Tel.: +49 6897 9071-370