

ULTRASOUND TISSUE CHARACTERIZATION

SESSION ORGANIZERS:

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ABSTRACT

This topic will disseminate the latest research from new diagnostic technologies based on ultrasound, such as ultrasonic medical imaging, ultrafast imaging or elastography, with special emphasis on imaging elastic properties, to therapeutic ultrasound, such as high intensity focussed ultrasound or ultrasonic stimulation of artificial tissue. The topic is also aimed at unveiling the underpinning principles of ultrasound applications, ranging from compressional or shear wave - tissue nonlinear interactions, cavitation, microjetting or mechanotransduction.