

# CHARACTERIZING THE MECHANICAL SENSITIVITY OF THREE PIEZO-BASED INFRASOUND SENSORS

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This presentation will report on the mechanical sensitivities of three novel piezo-based infrasound sensors developed at the National Center for Physical Acoustics. Results for motion in and out of the plane of the piezo elements will be presented and compared to the Chaparral 5 sensor, including estimates of minimum detection thresholds due strictly to ground motion. In addition, pressure sensitivity measurements were made to approximate the potential significance of the mechanical response in the presence of pressure changes induced by ground motion.