



Piezoelectric Active materials provide known and repeatable inputs and measure subsequent responses of structural systems.

Multi-Scale Sensing



Active Sensing for Damage Identification

Piezoelectric active materials are used for Structural Health Monitoring and **Damage Prognosis.**

www.lanl.gov/damage_id

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Active Sensor Self-Diagnostics













The functionality of the sensor and its attachment to host structure can be efficiently diagnosed.







A device to monitor and prevent common joint failures has been developed.

Self-Sensing and Repairing Joint