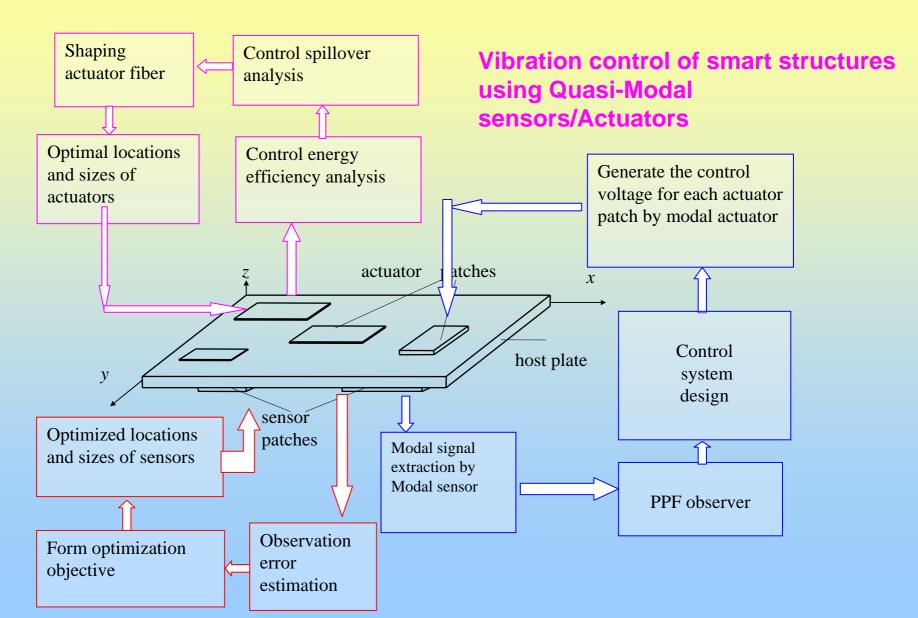
VIBRATION AND SHAPE CONTROL OF PLEZOELECTRIC SWART STRUCTURES

Investigators: Dr L. Tong, Dr D. Sun, Dr Q. Luo and Mr Q. Nguyen

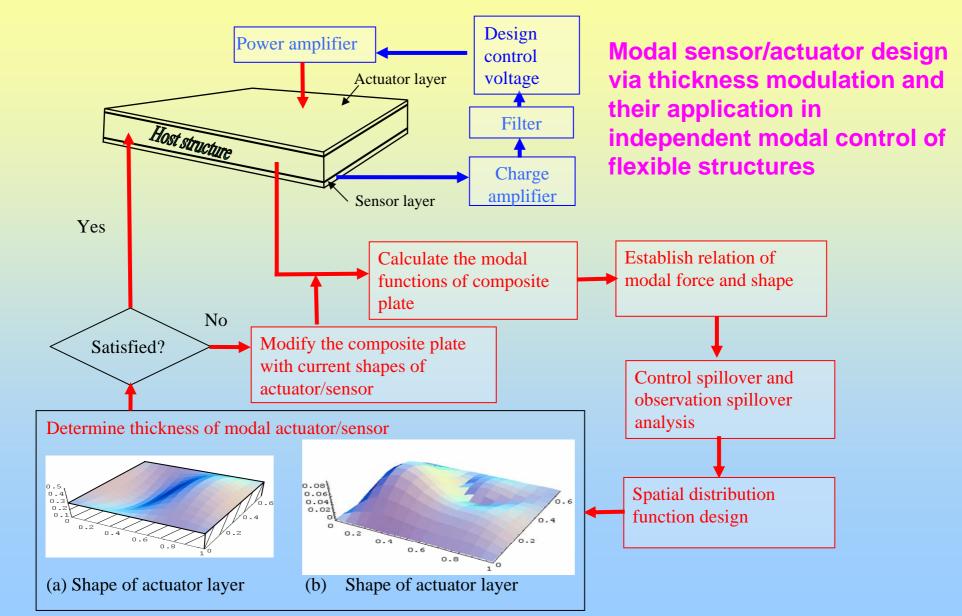
Sponsor: ARC (Grant No.:A89905990, A10009074, DP0210716)

- Vibration control of piezoelectric fibre reinforced composite structures;
- Debonding tolerance of piezoelectric actuators and sensors in adaptive structures;
- Active shape control of large thin-walled structures using ferroelectric single crystals.

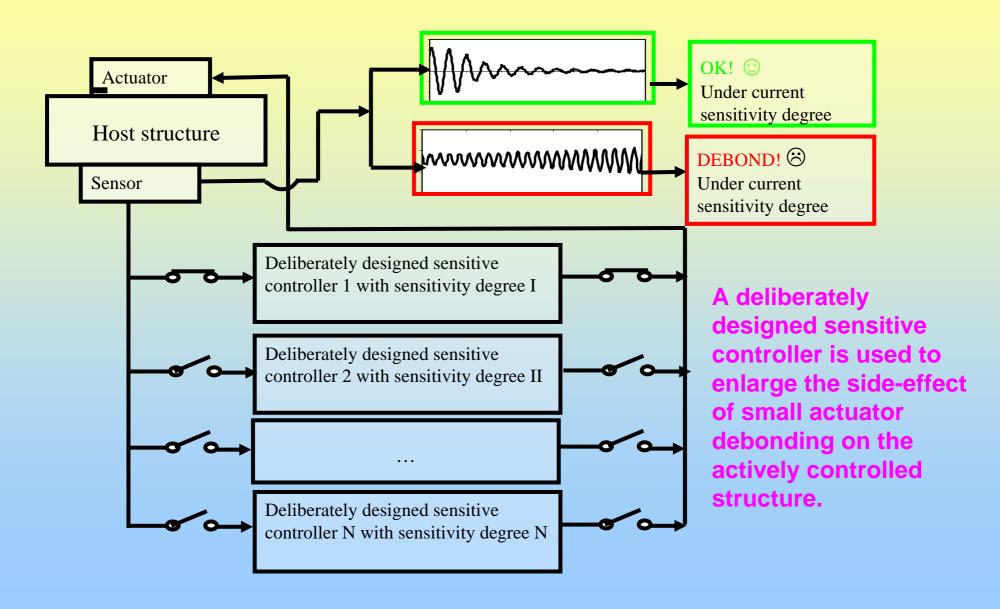
VIBRATION CONTROL OF PIEZOELECTRIC SMART STRUCTURES



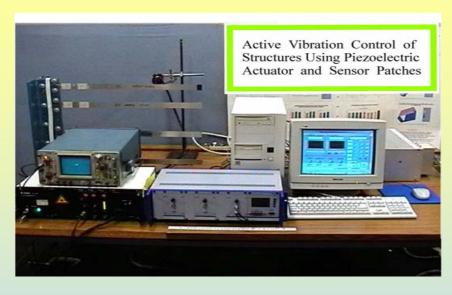
VIBRATION CONTROL USING MODAL PIEZOELECTRIC SENSORS AND ACUTORS

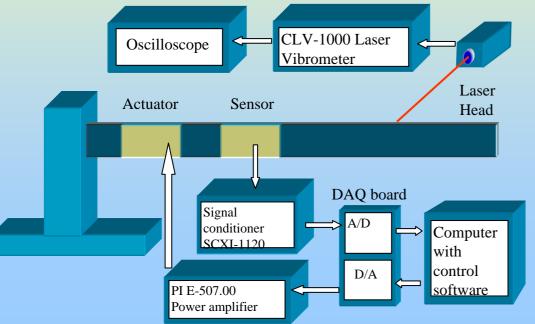


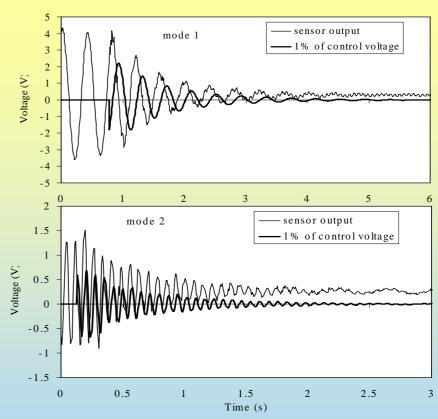
CLOSED-LOOP-CONTROL-BASED DEBONDING DETECTION OF PIEZOELECTRIC ACTUATORS

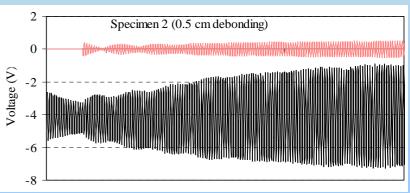


EXPERIMENTAL INVESTIGATION









Active detection of small actuator

STATIC SHAPE CONTROL OF STRUCTURES WITH NONLINEAR PIEZOELECTRIC ACTUATORS

