



VIRTUAL SMART STRUCTURES AND DYNAMICS LAB

Experiment 6

**Shear Lag Effect in Electro-Mechanical Impedance (EMI)
Technique**

PRE EXPERIMENT QUIZ QUESTIONS

- 1) What is shear lag effect?
- 2) How does thickness of bond layer affect strain transfer to/from the PZT patch to the structure?
- 3) How does the Young's Modulus of elasticity of bond layer affect strain transfer to/from the PZT patch to the structure?