Graduate Assistantship on Experimental Mechanics

A Research/Teaching Assistant position is available in the Advanced Sensor Technology lab (ASTL). The mission of the ASTL is to develop state-of-the-art sensor technologies for Structural Health Monitoring and to provide a multi-disciplinary learning environment for the students to participate in world class research. Visit https://astl.uta.edu/ for more details about the lab.

The research assistant will develop ultrasonic techniques for material damage detection and evaluation. A bachelor's degree in mechanical engineering, aerospace engineering, or other related areas is required. A graduate student with a master's degree is preferred. Research experience in experimental mechanics, sensors, non-destructive evaluation, dynamic systems, and wave propagation is highly desired.

Qualification requirements:

- Strong analytical skills in experiment observation and data interpretation
- Solid understanding of the basic concepts of mechanics of materials and wave propagation in solids
- Familiar with MATLAB simulation or data processing is a plus
- Hands-on experience with research instrument (oscilloscope, signal generator, laser, PC-based data acquisition, etc.) is a plus

To apply for this position, please fill out the PhD pre-application form (https://common.forms.uta.edu/view.php?id=1332433) and enter Haiying Huang as "Supervising Professor you plan to work with" on page 1.

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