

RESEARCH INTERESTS & PROJECTS

Research Interests

- ❖ Nondestructive testing of structures using Ultrasonic waves techniques.
- ❖ Wave propagation in solids.
- ❖ Dynamic & Vibration analysis of plates and beams.
- ❖ Fluid induced vibrations in heat exchanges.

Research Projects

- (1) Dr. M. Sunar, Dr. S. Al-Kaabi, and Dr. F. Al-Sunni, “Substructural Control of Fuzzy Flexible Systems,” October 1, 1999-September 30, 2001, KFUPM Research Project (ME/FUZZY/197).
- (2) Dr. S. Al-Kaabi (Manager), Dr. Y. Khulief, and Dr. S. Said, “Flow Induced Vibration in Heat Exchangers,” November 2000-June 2004, ARAMCO Funded Research Project (ME 2122).
- (3) Dr. I. Al-Zaharanah, Dr. S. Al-Kaabi, and Dr. B.S. Yilbas, “Flexural Behavior of a Cantilever Plate During the Welding Process,” September 2007-on going, Fast Track Research