

# Agenda

## Session I: Chair – E. Meletis, UTA

- 8:00 – 8:25 am Tutorial: Fundamentals of Piezoelectric Phenomenon and Device Design
- 8:25 -8:50am **Enhanced Performance in Piezo-based Energy Harvesters**, R. C. O'Handley, Ferro Solutions Inc., J.K. Huang, MIT
- 8:50 - 9:00 am **Piezoelectric Ceramics**, Joe Fielding, Morgan Electroceramics
- 9:00 - 9:15 am Break
- 9:15 - 9:45 am Energy Harvesting for Powering Remote Sensors and Other Devices  
John Rodgers, Starboard Innovations
- 9:45 -10:15 am Piezoelectric Ceramics, Jack Gray, Morgan Electroceramics
- 10:15 -10:45 am Piezoelectric Windmill, Shashank Priya, University of Texas at Arlington
- 10:45 - 11:00am Break, exhibitions

## Session II: Chair – H. Stephanou, UTA

- 11:00 - 11:30 am Energy Harvesting: Issues and Opportunities in Aircraft, Ed Safford, Lockheed Martin
- 11:30 - 12:00 pm Overview of Using the MFC Piezo-composite for Energy Harvesting and other Commercial Applications, Thomas Daue, Smart Materials Corporation
- 12:00 - 1:30 pm Lunch, exhibitions

## Session III: Chair – C. Z.. Butler, UTA

- 1:30 - 2:00 pm Michael Fripp, Halliburton
- 2:00 - 2:30 pm Active Vibration Treatment Using Piezo-LIVE Technology  
Michael R. Smith, Bell Helicopter Textron
- 2:30 - 3:00 pm Energy Harvesting Wireless Sensors, Steve Arms, MicroStrain
- 3:00 - 3:15 pm Break exhibitions

## Session IV: Chair – J. Chiao, UTA

- 3:15 - 3:45 pm Martin Wimmer, Vought Aerospace
- 3:45 - 4:15 pm High Output Piezoelectric Energy Harvesting for Harsh Environments  
Charles Seelay, GE
- 4:15 – 4:30 pm UTC Wireless Sensor Applications requiring Energy Harvesting, Jeffrey T. Benoitt, United Technologies Research Center
- 4:30 - 4:45 pm **Energy Harvesting with Magnetic Shape Memory Alloys**, Rosaura Ham-Su, SLt. Sarah Spence, and Calvin Hyatt, Defence R&D Canada
- 4:45 - 5:30 pm Break exhibitions
- 5:30 - 6:30 pm Panel Discussion
- 6:30 - 7:30 pm Dinner

# Registration

Participant fee (before December 15, 2005): \$300.

Participant fee (after December 15, 2005): \$400.

Special rate for students: \$100.

Registration fee includes continental breakfast, lunch and dinner.

## Exhibitors:

A limited number of exhibitor booths are available. The booths are 8' x 8' and come complete with back and side drapes, a 6' table and two chairs.

Booth reservation includes meals for two representatives.

Booths: \$1000 (limit of two per company)