

SHIVAN HARAN

1. Academic rank

Assistant Professor of Mechanical Engineering

2. Degrees with fields, institutions, and dates

BE – Mechanical Engineering	Osmania University, Hyderabad, India	1980
MSME	University of Houston	1982
PhD – Mechanical Engineering	University of Houston	1987

3. Number of year's service on this faculty, including date of original appointment and dates of advancement in rank

10 years, Original Appointment - 2002; Tenured - 2007; Assistant Professor of Mechanical Engineering - 2002

4. Other related experience - teaching, industrial, etc

Adjunct Faculty, Mechanical Engineering, Virginia Commonwealth University, Richmond, VA, 08/2001 – 07/2002

Adjunct Faculty, Department of Mechanical Engineering, University of Houston, Houston, TX, 08/1999 – 05/2000

Founder & Technical Director, HB Vibracoustic Systems Pvt. Ltd., Hyderabad, India, 02/1988 – 07/99

5. Consulting, patents, etc

A. Consultant, Spectra Quest, Inc., Richmond, VA and MA Hanna & Co., Houston, TX, 2000 – 2001

B. Numerous review activities: journal and proceedings' papers (ASME, ASEE, SPIE, Smart Materials and Structures, J of Sound and Vibration, J of Arkansas Academy of Science), textbooks & research proposals (ADHE/SURF, NSF)

6. State(s) in which registered

None

7. Principle publications of last five years (* = student research assistant)

Haran, S., and Alsayed, A., "*Shear Wave Velocity Profiling and Evaluation of Liquefaction Potential in Northeast Arkansas Using Simplified Equipment,*" Proceedings of SPIE Smart Structures and Materials & Nondestructive Evaluation and Health Monitoring, March 8-12, 2010, San Diego, CA

Haran, S., Kher, S., and Vandana Mehndiratta, V., "*Bridge Monitoring using Heterogeneous Sensor Network,*" Proceedings of SPIE Smart Structures and Materials & Nondestructive Evaluation and Health Monitoring, March 8-12, 2010, San Diego, CA

Paul, M., Haran, S., Pearce, A. R., and Srivatsan, M., "*Volunteerism: Key to Offering Brain Awareness Program on a Limited Budget,*" Poster presentation, Society for Neuroscience Meeting, Chicago, IL, November 2009

Haran, S., and Alsayed, A., “*Soil Liquefaction Analysis using Simplified Equipment,*” presentation, Arkansas Governor’s Earthquake Advisory Council, Little Rock, AR, July 20, 2009

*Song F., Huang G. L., Kim J. H and Haran S., “*Surface wave propagation in composite structures by using piezoelectric actuators/sensors,*” Proceedings of SPIE Smart Structures and Materials & Nondestructive Evaluation and Health Monitoring, March 9-13, 2008, San Diego, CA

*Song F., Huang, G. L., Kim, J. H. and Haran, S., “*On the study of surface wave propagation in concrete structures using a piezoelectric actuators/sensors system,*” Smart Materials and Structures, Vol. 17, No. 055024, 2008

8. Scientific and professional societies of which a member

American Society of Mechanical Engineers (ASME), American Society for Engineering Education (ASEE); Society for Optical Engineers (SPIE)

9. Honors and awards

Fellow, Institute of Engineers (India), Chartered Engineer (India), Tau Beta Pi, Nominated for the Lt. Col. Barney Smith Professor of the Year Award, 2003, Arkansas State University; ASU Faculty Research Fellowship Awards

10. Institutional and professional service during the last five years

University/College Committees: ABET Outcome Committees 2003-present; ASU Faculty Senate, 2004-11; Vice-Chair 2007-09; Middle Eastern Studies, 2004-07; Environmental Sciences Graduate Program, 2005-09; Academic Hearing, 2006-09; Development, Communications, & Alumni, 2006-09; Academic Shared Governance, 2007-09; and Engineering College Committees, 2002-11

Professional Services: Member of Program Committee, SPIE’s Annual Symposium on NDE for Health Monitoring and Diagnosis, San Diego, CA, USA, 2006-11; 7th IEEE International Symposium on Signal Processing & Information Technology, December 2007, Cairo, Egypt; Session Chairperson at SPIE’s Annual Symposium on NDE for Health Monitoring and Diagnosis, 2005-11; Student Undergraduate Research Fellowship (SURF) Arkansas Department of Higher Education, 2007-11; NSF Graduate Research Fellowship 2010

11. Professional development activities in the last five years

NSF EPSCoR/ADHE Research Workshop 2008/10; Attended Society of Neuroscience short course on Neuro-signal processing 2008; Grant writing workshop 2007/08; Mentored Honors/undergraduate/graduate students including paper presentations; Ongoing research efforts in collaboration with UALR, UAF, and within ASU

12. Time Allocation

Percentage of Time for Research/Scholarly Activities:	25%
Time Committed to the Program:	100%