

Paresh Shravage

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Research Experience and Education:

2009-2013 **Project Engineer, Automotive Research Association of India**, presently working on characterization, simulation and testing of acoustic materials for vehicle applications, development of state-of-art facility for acoustic materials

2004-2011 **PhD in Physics (Acoustics), University of Pune, India**
A Characterization and Prediction of Acoustical Properties in Porous Materials

2007-2008 **Marie-Curie Fellow at the ENDIF, Italy under the European Doctorate in Sound and Vibration (EDSVS) Programme**

Project 'Doctoral Training in the development of measurement devices for physical properties of sound absorbing materials', Host supervisor Prof. Roberto Pompoli

- Development of software interface for three microphone sound absorption coefficient measurement tube
- Development of inverse characterization algorithm for evaluating intrinsic physical parameters using Genetic Algorithm
- Development of test rig for the measurement of elastic parameters of sound absorbing materials
- Development of optimization algorithm for optimization of sound package materials
- Development of simulation software for predicting acoustic behaviour of sound package materials

2001-2003 **Master of Science in Physics, University of Pune**
Mathematical Physics, Acoustics, Electronics, Instrumentation, Classical Mechanics, Statistical Mechanics, Computer Programming

Teaching Experience:

- Noise and Vibration, Acoustics of Porous materials, Master of Technology, Vellore Institute of Technology in collaboration with Automotive Research Association of India
- Post Graduate and Undergraduate course, Project Guidance

Awards and Achievements

- ARAI Recognition Award - Development of Small Anechoic Chamber, December 2013
- Sir C.V. Raman Award - Simulation and validation of sound absorption in a reverberation chamber, December 2012
- ARAI Recognition Award - Development of IL-Cabin for grommet and cavity filler testing, December 2012
- ARAI Recognition Award - Development of porosity & mid frequency impedance tube rig for acoustic materials characterization, December 2011
- ARAI Recognition Award - Development of airflow resistivity rig for acoustic materials characterization, December 2010
- Marie-Curie Fellowships - Two times recipient from European Commission, March 2007-September 2008

Affiliations

- Acoustical Society of America (ASA)
- Society of Automotive Engineers (SAE)
Member of Acoustical Material Standard Committee-Development of new standards
- Institute of Noise Control Engineers (INCE)
- Acoustical Society of India (ASI)

Technical skills and competences

Experienced user of computers, including Word, Excel, PowerPoint, email and internet. Capable of analysing large scale datasets and **programming with Matlab and LabVIEW**, Experienced user of **B&K PULSE, Polytec**, Experienced at report writing and also familiar with **Virtual Lab and VAOne, COMSOL**

Languages:

English, Hindi, Italian, Russian