

Francois Gautier

Professor Vibrations/Acoustics
Université du Maine, LAUM (UMR CNRS6613), ENSIM
Av. O. Messiaen
72085 Le Mans cedex 9
France

Phone: +33 2 43833981
Fax: +33 2 48833520
e-mail: Francois.Gautier@univ-lemans.fr

Current position

Full Professor of Vibroacoustics at Université du Maine - Searcher at LAUM (Laboratoire d'Acoustique de l'Université du Maine, UMR CNRS 6613) - Teacher at ENSIM (Ecole Nationale Supérieure d'Ingénieurs du Mans),

Education

- Engineer Sup Aéro, Ecole Nationale Supérieure de l'Aéronautique et de l'Espace, Toulouse, France, 1993.
- Master of Astrophysics, Université P. Sabatier, Toulouse, France, 1993.
- Master of Acoustics, DEA ATIAM, Université Paris 6, France, 1994.
- PhD in Acoustics, Université du Maine, Le Mans, France, 1997.
- Habilitation à Diriger les Recherches, Université du Maine, Le Mans, France, 2006.

Career

- 2007-2011 - Professor at Université du Maine (LAUM- ENSIM) since 2007.
- 2003-2007 - Lecturer at Ecole Nationale d'Ingénieurs du Mans
- 2001-2003 - Lecturer with assignment to CNRS – 2001-2003.
- 1997-2001 - Lecturer at Ecole Nationale d'Ingénieurs du Mans

Professional activities

Research topics

- Structural acoustics : vibration damping of structures using the acoustic black hole effect, vibrations of assembled structures, modeling of medium and high frequencies vibrations based on wave approaches.
- Vibroacoustics of ducts and cavities : wave propagation and modes coupling in vibrating ducts - sound radiation – applications to musical acoustics.

Teaching activities (courses given in engineering school Ensim and in the master in acoustics of Le Mans)

- Solids and fluids mechanics, vibrations, acoustics, vibroacoustic engineering, modal analysis, Statistical Energy Analysis.

Responsibilities

- Head of the vibroacoustics group of the LAUM since 2006
- Head of the Vibrations/Acoustics option of ENSIM since 2005
- In charge of academic and industrial projects at ENSIM since 2007 (30 projects/year)
- In charge of one task of the ANR PAFI project (2009-2013).

Summary of scientific production

18 papers in peer-reviewed international journals.

54 contributions to workshops and conferences proceedings

6 invited conferences

1 patent

5 participations in conference organization as member of the organizing/scientific committees.

10 PhD supervisions, 2 post-doct supervisions