

The teaching team of the M2 *Acoustical engineering* program

Matthieu AUSSAL – In the AE program, will teach the *Numerical techniques for acoustics* course.

Research engineer at the CMAP laboratory of the École polytechnique. Research topics: numerical modeling of wave phenomena and signal processing for spatial audio. Develops toolboxes for fast numerical prototyping used in research and industry. [Web](#).

Anne-Sophie BONNET - BEN DHIA – In the AE program, teaches part of the *Non Destructive Testing* course and part of the *Propagation et diffraction dans les guides d'ondes* course.

CNRS researcher at the POEMS laboratory of Ensta-ParisTech. Some current research topics: numerical modeling of scattering phenomena in composite elastic plates, computer aided design of invisible perturbations in acoustic waveguides, analysis and simulation of black-hole waves at corners of negative index materials. [Web](#).

Xavier BOUTILLON – In the AE program, teaches the *General acoustics* course and part of the *Psychoacoustics* course. Also: coordinator of the program.

CNRS researcher at the LMS laboratory of the École polytechnique. Recent research: sound radiation by loudspeaker systems, vibro-acoustics of the piano, mechanics of the piano keyboard, experimental characterization of magneto-rheological fluids. [Web](#).

Benjamin COTTÉ – In the AE program, teaches most parts of the *Structural acoustics* and of the *Acoustic propagation in inhomogeneous moving media* courses. Also: coordinator of the program.

Assistant professor at the IMSIA laboratory of Ensta-ParisTech. Research topics: aeroacoustics of rotating machines (wind turbines and marine propellers), models of noise propagation in the atmospheric boundary layer, vibroacoustics of the piano. [Web](#).

Olivier DOARÉ – In the AE program, teaches part of the *Interactions fluides-structures* course and part of the *Experimental acoustics* course.

Professor at the IMSIA laboratory of Ensta-ParisTech. Recent research: piezoelectric devices for sound radiation or energy harvesting, flow-induced vibrations, dielectric elastomer loudspeakers. [Web](#).

Olaf GAINVILLE – In the AE program, teaches part of the *Acoustic propagation in inhomogeneous moving media* course.

Engineer and researcher at CEA, DAM, DIF. Research topics: Acoustic and infrasound propagation in the atmosphere. [Web](#).

Emil GARNELL – In the AE program, teaches part of the *Experimental acoustics* course.

Teaching assistant at École polytechnique and PhD student at the IMSIA laboratory of Ensta-ParisTech. Research: modelling and optimizing dielectric elastomer loudspeakers. [Web](#).

Xavier GLOERFELT – In the AE program, teaches part of the *Aeroacoustics* course.

Assistant professor at the Dynfluid laboratory of ENSAM-ParisTech. [Web](#).

Stéphane JOB – In the AE program, teaches part of the *Matériaux pour l'isolation acoustique* course.

Assistant professor at the Quartz laboratory of Supméca. [Web](#).

Matthieu KOWALSKI – In the AE program, teaches the *Signal processing* course.

Assistant professor at the L2S laboratory of the Université Paris-Sud. Research topics: inverse problems, blind source separation, applications in magneto- / electro-encephalography (M/EEG) and audio / music signals. [Web](#).

Lutz LESSHAFFT – In the AE program, teaches part of the *Aeroacoustics* course.

CNRS researcher at the LadHyX laboratory and Adjunct professor at École polytechnique. Research topics: jet noise and hydrodynamic instability. [Web](#).

Alain LHÉMERY – In the AE program, teaches part of the *Non Destructive Testing* course.

Director of Research at [CEA-LIST](#). Research in modelling and simulation (part of [CIVA](#) software platform) of ultrasonic methods for non-destructive testing (transducer radiation, propagation and scattering of bulk and guided elastic waves). [Web](#).

Stéphane NENNIG – In the AE program, teaches part of the *Matériaux pour l'isolation acoustique* course.

Assistant professor at the Quartz laboratory of Supméca. Research topics: sound absorbing materials, metamaterials and numerical methods in acoustics. [Web](#).

Marc RÉBILLAT – In the AE program, teaches part of the *Non Destructive Testing* course and part of the *Psychoacoustics* course.

Assistant professor at the PIMM laboratory of ENSAM-ParisTech. Recent research: structural health monitoring, smart structures based on piezoelectric elements, nonlinear system identification. [Web](#).