



<http://no2noise.eu/>  
A European Industrial Doctorate  
funded under the Marie Skłodowska-Curie Actions 2017

Short Course

April 23-24, 2019  
Lyon, France

## Modelling, manufacturing and application of porous sound packages in today's industry

To face an increasing demand of ever better sound packages including all criteria of reduced weight and environmental footprint and improved acoustic & vibration performance, the N2N project aims at building models and methodology to design the treatments of future transportation. In this context, this course aims at providing the fundamental understanding of porous dissipation mechanisms, the discussion of the appropriate modeling techniques according to various usage and the implementation of sound packages to meet the targeted performances.

The course is dedicated to engineers and early researchers willing to have state-of-the-art information transmitted by the world leading experts in the domain, among which :

- Prof. Nouredine Atalla (GAUS)
- Dr. Gregory Lielens (FFT)
- Dr. Jean-François Rondeau (Faurecia)
- Drs. François-Xavier Bécot, Fabien Chevillotte & Luc Jaouen (Matelys) ...

The course will include lectures on

- porous material theory and acoustic modeling
- analytical modeling of sound package at the component level
- numerical modeling at the system level
- manufacturing and application of porous sound packages.

The course + lunches + breaks are free of charge but submitted to registration.

Your registration, including

- a short CV,
- a summary of your current research work and a motivation letter,
- a letter of recommendation,

should be sent to [contact@matelys.com](mailto:contact@matelys.com) before April 1<sup>st</sup>, 2019.

Additional information : <http://apmr.matelys.com/SpringSchool2019.html>

This event is co-organized by

MATELYS-Research Lab (France), ENTPE (France) and Nottingham University (UK)



L'école de l'aménagement durable des territoires



University of  
Nottingham  
UK | CHINA | MALAYSIA