



MATHIEU GABORIT

From Sweden to France



Project: **Acoustics**

Research topic: **Engineering**

Swedish Institution: **KTH**

French Institution: **Le Mans Université**

Dates of mobility: **23/10/2020** to **08/11/2020**

Program: **SFVE-A (ex FRÖ)**



PRESENTATION

[Mathieu Gaborit](#) was a post-doctoral Researcher Engineer at [KTH](#), working on machine learning strategies to generate controlled-anisotropic idealised foams. Now, he is on a CTER position at the [LAUM \(CNRS UMR 6613\)](#) where he works on material acoustics (3D printed periodic porous media in collaboration with KTH), machine learning and numerical methods. He is also teaching vibrations, programming, and numerical methods for acoustics at [Le Mans Université](#), both at the bachelor and master's level. Previously, he was a postdoctoral researcher at the [ECO2 Centre](#) and the [Marcus Wallenberg Lab](#) at KTH, working on Kelvin Cell packing for acoustic applications. Most of his research interest is related to poroelastic, architecture and/or meta-materials, numerical methods, and data analysis.

ACTIVITIES IN FRANCE

During his stay in France, Mathieu Gaborit visited researchers at Le Mans Université, including [Dr. Zornotti](#) and [Pr. Gabard](#). They discussed a research collaboration regarding characterisation of NL vibroacoustic systems in an impedance tube, possibly pressure controlled.