

Mathieu Maréchal

2nd year PhD student · Acoustics

Application for a fee waiver at the
Symposium on acoustic metamaterials
2024

Contact

🌐: www.mmarchal.fr

✉: mmarchal@univ-lemans.fr

☎: +33 (0)6 52 36 91 76

📍: 1, rue Notre Dame 72000 Le Mans

Skills

- Data analysis and depiction
- Presentations
- Project organisation
- Problem solving with numerical tools

Knowledge

- Wave propagation (EM, acoustics)
- Poroelastic waves in periodic geometries
- Numerical methods
- Guided waves
- Differential calculus & Linear Algebra
- Signal processing & instrumentation

Programming

- Python
- \LaTeX
- Linux
- Web and networks

Logiciels

- COMSOL Multiphysics
- MS Office
- Adobe Suite
- Inkscape

Languages

French

fluent

English

C2 (CEFR)

- Fluent technical level
- 1 year (2 semesters) Erasmus program in Prague pendant 2 semestres
- english courses

German

B1 (CEFR)

- Lived 2 month as part of the Brigitte Sauzay exchange program

Czech

Notions

Education

MSc Degree

Le Mans Université

Le Mans

September 2020 - July 2022

- International Master's degree in Wave physics and Acoustics
- 2 year-long project on acoustic absorption by metaporoelastic materials
- Education on academic research and various topics on wave propagation and phenomena

3rd year Bachelor

Czech Technical University

Prague

September 2019 - June 2020

- Last year of Bachelor at CTU, Prague
- Projects on wireless communication and radio antennas and acoustic event detection with a microphone array

Licence SPI CMI

Le Mans Université

Le Mans

September 2017 - June 2020

- Licence de sciences pour l'ingénieur (engineering sciences), acoustics and vibrations
- Internship: Acoustic study of a ball impact on a water surface

Baccalauréat scientifique

Lycée Cassini

Clermont de l'Oise

Juillet 2017

- Mention très bien

Work Experiences

PhD Student

LAUM

Le Mans

September 2022 - Today

- University doctoral Scholarship at Laboratoire d'Acoustique de l'Université du Mans
- Research on metaporoelastic surfaces and interfaces for the joint mitigation of acoustic and elastic energies
- Numerical methods for the computation of dispersion relations
- **Teaching experience:** Master course on TMM and bachelor-level acoustics practicals sessions

Seasonal employee

Nantes

Summers 2017-2021

Interests

- Climbing
- Windsurf
- Snowboard
- Reading
- Modular Synthesis
- Film photography
- Bass guitar