Emile Hohnadel

✉ *emile.hohnadel@inria.fr*

Education

2021–Present **PhD thesis**, *UGA, INRIA, LJK*, France.

2017–2021 **Diplome de l'ENS de Lyon**, *ENS de Lyon*, France.

2018–2020 **Master Degree in Computer Science**, *ENS de Lyon*, France, Mention Très Bien.

2017–2018 **Bachelor Degree in Computer Science**, *ENS de Lyon*, France, Mention Bien.

2017–2018 **Bachelor Degree in Mathematics**, *Université Claude Bernard*, France.

2014–2017 **Classe préparatoire, MPSI/MP***, *Lycée Kléber*, France.

2014 **Baccalauréat Série S Sciences de l'ingénieur Section européenne**, *Lycée Jean-Jacques Henner*, France, Mention Très Bien.

Internships

April. 21–July 21
4 months
Research Internship, *d'Alembert Institute*, France, supervised by Sébastien Neukirch.
Drops on fibre, how big can it go ? Modelisation of droplet hanging from thin fibre to test an experimental observation

Sept. 20–Mars 21
6 months
Research Internship, *INRIA Grenoble*, France, supervised by Florence Bertails–Descoubes and Thibaut Métivet.
Simulation of elastic fibre flow : Extension of a 2D elastic fibre simulator to account for fibre/fibre contact.

Jan. –June 2020
6 months
Research Internship, *LIRIS*, France, supervised by Nicolas Bonneel, Julie Digne and Bruno Lévy.
Lagrangian Simulation of Navier-Stokes Fluid with Free Surfaces : Extension of an inviscid fluid solver based on the theory of optimal transport to model buckling effects.

May–July 2019
3 months
Research Internship, *JAIST*, Japan, supervised by Mizuhito Ogawa.
Windows API call impact on path condition : Study of the impact of external calls to the path condition during dynamic symbolic execution.

June 2018
7 weeks
Research Internship, *INRIA Nancy*, France, supervised by Bruno Lévy.
Numerical fluid simulation using power diagrams : Applying results of the optimal transport theory to the Lagrangian modelisation of fluids.

Languages

French Mother tongue

English C1 - Cambridge Advanced Exam

German B1 - Deutsches Sprachdiplom

Japanese A2

Computer skills

Programming C, C++, OCaml, Python

Tools LaTeX, Git

Publication

August 2023 **Randomly stacked open cylindrical shells as functional mechanical energy absorber**, *T. G. Sano*, **E. Hohnadel***, T. Kawata, T. Métivet, and F. Bertails-Descoubes*, Communications Materials, 4(1) :59.
*These authors contributed equally.

July 2024 **Contact detection between curved fibres : high order makes a difference**, *O. Crespel*, **E. Hohnadel***, T. Métivet, and F. Bertails-Descoubes*, ACM Trans. Graph. 43, 4, Article 132, 23 pages.
*These authors contributed equally.