

Lucas Person

📍 Toulouse ✉ lperson@insa-toulouse.fr ☎ (+33)6 06 85 17 43 in Lucas Person

Introduction

First-year PhD candidate at the Institut Clément Ader (ICA), specializing in computational mechanics. Graduate of the ENS Paris-Saclay and ISAE-SUPAERO double-degree program. Experienced in teaching mechanics and computational mechanics, with 64 hours of instruction delivered to second- and fourth-year engineering students at INSA Toulouse. Passionate about research and higher education, with the objective of pursuing an academic career.

Education

M.Sc. University of Paris-Saclay , MS ² SC	Sept 2024 – Apr 2025
• Coursework: Inverse Problems, Statistical Learning, Domain Decomposition Methods, Data-Driven Approaches, Model Reduction, HPC, Composite Structures	
M.Sc. ISAE-Supaero (Double Degree) , Applied Mathematics and Structural Mechanics	Sept 2022 – Mar 2024
M.Sc. ENS Paris-Saclay , Mechanics of Materials and Structures (MMS)	Sept 2021 – Apr 2022
B.Sc. ENS Paris-Saclay , SAPHIRE	Sept 2020 – May 2021

Experience

ICA , Research Intern	Toulouse, France
• Continuation of the development of photometric image correlation • Development of stereo photometric image correlation library in Python	Apr 2025 – Aug 2025 Tutor: JC. Passieux; JE. Dufour
DGA-TA , Engineering Intern	Balma, France
• Generation of virtual images from digital twin • Continuation of the development of photometric image correlation	Apr 2024 – Aug 2024 Tutor: R. Fouque
ICA , Research Intern	Toulouse, France
• Developed and implemented in Python a scalable parallel computing DVC using domain decomposition • Developed regularization adaptation techniques for domain decomposition DVC	Apr 2023 – Jul 2023 Tutor: JC. Passieux ; P. Jolivet ; R. Bouclier ; P. Oumaziz
I2MB , Research Intern	València, Spain
• Detection of bone tumors in the vertebrae using digital image correlation • Development of mesh generation techniques from a reference mesh using digital image correlation	May 2022 – Aug 2022 Tutor: O. Allix ; F. Hild ; JJ. Rodenas ; E. Nadal Soriano

Publications and Conferences

A Photometric Approach to Digital Image Correlation with a Super-Resolved Digital Twin (SR-PhDIC)	June 2026 Optics and Lasers in Engineering
Lucas Person, Théo Sentagne, Raphaël Fouque, Robin Bouclier, John-Eric Dufour, Jean-Charles Passieux, Jean-Noël Périé	
hal-05490712 	
Approche photométrique de la corrélation d'images par Super-Résolution	Jan 2026 Colloque Mecamat Aussois, France
Lucas Person, Théo Sentagne, Raphaël Fouque, Robin Bouclier, John-Eric Dufour, Jean-Charles Passieux, Jean-Noël Périé	
hal-05490712 	
Second Prize for Best Poster	

High-Performance Mechanically Regularized Finite-Element Digital Volume Correlation for Complex Architected Materials

Lucas Person, Pierre Jolivet, Jean-Charles Passieux, Robin Bouclier, Paul Oumaziz

[hal-04764413](#) 

Digital Volume Correlation techniques for patient-specific simulation of vertebrae with metastasis

Lucas Person, François Hild, Enrique Nadal, **Juan José Ródenas**, Olivier Allix

[hal-04385572](#) 

Oct 2024
PhotoMechanics - iDICs
Clermont-Ferrand, France

Jun 2023
ADMOS
Gothenburg, Sweden