

THI THUY HOA LUU

Yvelines, France
07 64 00 88 86

*Master's student in ICS seeking a 4-6 month
internship starting in April 2026*

[LinkedIn](#)[Google Scholar](#)luuthuyhoa0910@gmail.com**EDUCATION****Institut Polytechnique de Paris, Palaiseau****2025-2026**

- Master 2 in ICS_Integration, Circuits and Systems (in progress)
- Related courses: Analog architecture, Circuit nanoarchitecture and deep learning, Advanced Digital Electronics, Advanced Design Methodologies, Cell Design for Digital Integrated Circuits, CAD of Mixed Integrated Circuit

Institut Polytechnique de Paris, Palaiseau**2024-2025**

- Masters 1 in Electrical Engineering, specializing in Optics and Microelectronics, grade : 14.3/20
- Related courses: Microelectronic Systems, Advanced Optoelectronic Devices, Wireless Systems, Radio Frequency for Connected Objects

Sorbonne Nouvelle University, Paris**2022-2024**

- University Diploma in French Language (DULF), level B2

Ho Chi Minh City University of Technology, Vietnam**2011 -2013**

- Master's degree in Physical Engineering, specializing in Optics and Photonics, mention very good

Ho Chi Minh City University of Education, Vietnam**2007 -2011**

- University Degree in Physics, mention good

EXPERIENCES PROFESSIONNELLES**Research Assistant at the Laser Physics Laboratory****2017-2022**

Sorbonne Paris Nord University, Villetaneuse

Designing optical systems, automatic engine control systems, and lasers to study the physics of materials.

Achievements: 2 publications and 2 posters

Lecturer in Physical Science, Faculty of Science

University of Agriculture and Forestry, Ho Chi Minh City, Vietnam

2013 – 2017

Responsible for teaching general and experimental physics courses

Course planning: syllabus, teaching, testing, evaluation, Scientific research

ETUDIANTE EN PROJET DE RECHERCHE**Institut Polytechnique de Paris, France****2025**

Design of an indoor positioning system (MATLAB) based on the PSSR method of WiFi signals and the fusion of inertial sensor data.

Institut Polytechnique de Ho Chi Minh ville, Vietnam**2013**

Characterizing the properties of synthetic diamond semiconductors produced by chemical vapor deposition (CVD) and analyzing their performance. Achievement: 1 conference publication

SKILLS

- Languages: English (professional proficiency), French (professional proficiency), Vietnamese
- Technical skills: physics, experimental physics, optics, materials, analog and digital electronics, Matlab, LabView, C/C++, SystemVerilog, VHDL, CAD tools (Cadence Virtuoso, Intel Quartus, Modelsim, Advanced Design System (ADS), MEM+)
- Non-technical skills: presentation, teaching, self-learning, teamwork

RECHERCHE AND PUBLICATIONS

- T. T. H. Luu, Z. Jia, A. Kanaev and L. Museur, *Photopolymerization of TiO₂-based hybrid materials: effect of nanoparticles loading and photosensitive 1D microstructures fabrication*, Journal of Materials Science volume 58, pages 1127–1138 ,2023
- Thi Thuy Hoa LUU, Luc MUSEUR, *Fabrication of sub-micrometer 3D structures of photoactive organic-inorganic hybrid materials by Low One Photon Absorption-based direct laser writing*, International Conference on Applied Physics and Engineering, Hanoi, Vietnam, November 2021 (poster)
- T. T. H. Luu, Z. Jia, A. Kanaev, and L. Museur, *Effect of light intensity on the free radical photopolymerization kinetics of 2-hydroxyethyl methacrylate (HEMA): Experiments and simulations*, J. Phys. Chem. B 2020, 124, 31, 6857–6866
- Thi Thuy Hoa LUU, Zixian JIA, Luc MUSEUR, Mamadou TRAORE, Andrei KANAEV, *Polymerization kinetics of pure 2-hydroxyethyl methacrylate (HEMA) and HEMA-TiO₂ hybrid: Effect of light intensity and TiO₂ concentration*, European Society for Materials Research Conference, Warsaw, Poland, Sep 2019 (poster)