

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

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[Google Scholar](#)
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**EDUCATION**

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|--|-------------------|
| Institut Polytechnique de Paris, Palaiseau | 2025-2026 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • University Diploma in French Language (DULF), level B2 | |
| Ho Chi Minh City University of Technology, Vietnam | 2011 -2013 |
| <ul style="list-style-type: none"> • Master's degree in Physical Engineering, specializing in Optics and Photonics, mention very good | |
| Ho Chi Minh City University of Education, Vietnam | 2007 -2011 |
| <ul style="list-style-type: none"> • University Degree in Physics, mention good | |

EXPERIENCES PROFESSIONNELLES

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| Research Assistant at the Laser Physics Laboratory | 2017-2022 |
| <i>Sorbonne Paris Nord University, Villetaneuse</i>
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 | 2013 - 2017 |
| <i>University of Agriculture and Forestry, Ho Chi Minh City, Vietnam</i>
Responsible for teaching general and experimental physics courses
Course planning: syllabus, teaching, testing, evaluation, Scientific research | |

ETUDIANT EN PROJET DE RECHERCHE

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| 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 KANAIEV, *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)