

LA THUY LINH

linhlathuy.tll@gmail.com

Interests: Orbital Mechanics, Adaptive Optics, Instrumentation

EDUCATION

Master SPACE: Earth Observation, Astrophysics, Satellite Technology <i>University of Science and Technology of Hanoi (USTH)</i>	Oct. 2021 – Oct. 2023 GPA: 16.59/20
Bachelor of Science and Technology in Space and Applications <i>University of Science and Technology of Hanoi (USTH)</i>	Aug. 2018 – 2021 GPA: 16.65/20
High School for Gifted Student, Hanoi University of Science <i>Major in Physics</i>	2015 – 2018

EXPERIENCE

Researcher <i>Space System Design Unit, Vietnam National Space Center (VNSC)</i> <ul style="list-style-type: none">Operate telescope system and processing astrophotographSimulate satellite's orbit and design system for Space Surveillance Project	Sep. 2021 – Present
Undergraduate Research Assistant <i>Institute of Materials Science, Vietnam Academy of Science and Technology</i> <ul style="list-style-type: none">Simulate a magnetic dipole system for medical applicationsSimulate lens shapes for human centric lighting	Feb. 2019 – 2022

INTERNSHIPS

Development of Quaternions module for pointing strategies <i>CENSUS - Paris Observatory</i> <ul style="list-style-type: none">Develop pointing strategies for nanosatellite missionsBuild the Quaternions module using Python	Jun. 2023 – Dec. 2023 Grade: 17.40/20
Operate of RC500 telescope <i>Vietnam National Space Center</i> <ul style="list-style-type: none">Obtain and process astrophotographs	Jul. 2022 – Aug. 2022 Grade: 16.80/20
Simulation of Attitude and Determination Control System (ADCS) <i>University of Science and Technology of Hanoi</i> <ul style="list-style-type: none">Simulate ADCS using MATLAB/Simulink	Apr. 2021 – Jun. 2021 Grade: 18.20/20

SKILLS

Languages

- Programming: Python, MATLAB
- Vietnamese: Fluent, Mother tongue
- English: Fluent, 7.0 IELTS
- French: Basic

Softwares

- Simulation: CATIA V5, IDM-CIC, COMSOL
- Arduino
- Others: QGIS, SNAP, PixInsight, The SkyX Pro

ACHIEVEMENTS

Awards

- Second Prize in National Student Physics Olympiad Apr. 2019

Scholarships

- Scholarships given by the university 2018 - 2022
- Internship Scholarship given by the university 2023

Publications

- Thi Giang Duong, Thuy Linh La, Tran Quoc Tien, Pham Hong Duong, and Quang Cong Tong. "A simple designed lens for human centric lighting using LEDs." *Applied Sciences* 10, no. 1 (2020): 343.
- La TL, Bui BN, Nguyen TTN, Pham TL, Tran QT, Tong QC, Mikulich A, Nguyen TP, Nguyen TTT, Lai ND. Design and Realization of Polymeric Waveguide/Microring Structures for Telecommunication Domain. *Micromachines*. 2023; 14(5):1068. <https://doi.org/10.3390/mi14051068>
- La Thuy Linh, Tran Anh Tu, Phan Thanh Hien. SIMULATION OF THE DETUMBLING MODE USING REACTION WHEELS IN A CUBESAT MODEL. *Journal of Science and Technology*. Vol. 58 - No. 5 (Oct 2022). <https://doi.org/10.57001/huih5804.32>

Conferences

- La, Thuy Linh and Tran, Quoc Tien and Tong, Quang Cong and Aliaksandr, Mikulich and Nguyen, Thi Yen Mai (2020) REALIZATION A FAST OPTICAL SHUTTER. In: THE 11th INTERNATIONAL CONFERENCE ON PHOTONICS APPLICATIONS (ICPA-11), 4-7 Nov 2020, Hoa Binh.
- Vietnam National Conference of Space Science and Technology, CNVT-2021

Online Courses

- Google Cloud: GCP Champion Summer Online Class. [Achieved Quests List](#) Aug. 2020
- European Adaptive Optics Summer School June. 2023

EXTRACURRICULAR ACTIVITIES

Teaching Assistant Jul. 2022 – Jul. 2023

STEM Unit of Vietnam National Space Center

Seminar Organizer 2018 – 2022

Space and Applications Department, USTH

Volunteer for Our Place In Space Project Jul. 2022

Nha Trang Observatory

Volunteer for Science Festival Dec. 2023

Paris Observatory

Winners of the 2023 Euroconsult - SGAC Volunteer Call Sep. 2023

World Satellite Business Week

[Link to Announcement](#)