

CURRICULUM VITAE

NGUYEN Minh Hang

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EDUCATION

University Paris Cite , Paris, France Doctoral Candidate in Theoretical Computer Science Supervisor: Pierre Fraignaud, Mikael Rabie	2022 - present
University Paris Cite , Paris, France Master 2 Parisian Master of Research in Computer Science	2021 - 2022
Hanoi National University of Education , Hanoi, Vietnam Bachelor of Mathematics and Education.	2016 - 2020
High school for the gifted, Hanoi University of Education , Hanoi, Vietnam Specialized in Mathematics	2013 - 2016

PROFESSIONAL TRAINING

Spring School of theoretical computer science , Oleron Island, France <i>Topics: Computational Complexity</i>	June, 2023
Vietnam Institute for Advanced Study in Mathematics , Hanoi, Vietnam <i>Quantum Computing: Theory and Practice Course</i>	2020
<i>Mini-course: Essential Mathematics and Computing for Data Science</i>	2019
<i>Mathematics Summer School</i>	2019
VEF Academy , Hanoi, Vietnam <i>Machine Learning Courses</i>	2019

RESEARCH EXPERIENCE

Aalto university , Helsinki, Finland <i>Visiting Prof. Jukka Soumela</i>	September-October, 2024
TU Wien , Vienna, Austria <i>Visiting Prof. Ulrich Schmidt</i>	July 2024 and February 2025
City University of New York , New York, USA <i>Visiting Prof. Amotz Barnoy</i>	October, 2023
Institute for Research in Fundamental Computer Science , Paris, France <i>Internship - Advisor: Assoc. Prof. Mikaël Rabie</i> <ul style="list-style-type: none">• Recoloring in Temporal Graph	2022
Institute of Mathematics , Hanoi, Vietnam Department Mathematical Foundations for Computer Science <i>Researcher - Advisor: Assoc. Prof. Ha Duong Phan</i> <ul style="list-style-type: none">• Graph algorithms.	2020 - 2021
<i>Internship -Advisor: Assoc. Prof. Ha Duong Phan</i> <ul style="list-style-type: none">• Scientific report on “Community Detection in Large Networks base on Spectral Approach and Random Walks on Graph”.	2020
ICCOM Media & Tech , Hanoi, Vietnam <i>Internship at Natural Language Processing Team</i> <ul style="list-style-type: none">• Neural Networks for Natural Language Processing, Word Embedding, Text Generation, Chatbot.	2019

ATTENDED CONFERENCES AND WORKSHOPS

- **Workshops:** Workshop on Complexity and Algorithms CoA, Paris 2024; JNIM Journées Nationales du GDR IFM, Grenoble 2024; FILOFOCS French-Israel Workshop on Foundation of Computer Science, Paris 2023; Journées Calcul Distribuée, Paris 2023.
- **Conferences:** STACS, Germany 2025; SOSA, US2025; DISC conference, Madrid 2024; SSS conference, New Jersey 2023.
- **ANR meetings:** TEMPORAL meetings: Poitier 2022, Paris 2023, Honfleur 2024; ANR DUCAT meeting: Marseille 2023, Grenoble 2024; ANR ENEDISC meeting: Paris 2025.

TALKS

STACS conference, Germany, 2025: Agreement Tasks in Fault-Prone Synchronous Networks; **SOSA conference**, US, 2025: A simple lower bound for set agreement in dynamic networks; **DISC conference**, Madrid, 2024: Brief Announcement - Agreement Tasks in Fault-Prone Synchronous Networks; **ANR DUCAT Meeting**, France, 2024: Agreement Tasks in Fault-Prone Synchronous Networks; **GALAC seminar**, LISN, Université Paris-Saclay, 2024: Canadian Traveller Problem in Temporal Graphs; **SSS conference**, 2023: Forbidden Patterns in temporal graphs resulting from encounters in a corridor; **Non-permanent seminar**, IRIF, Université Paris Cité, 2023: Agreement tasks: An introduction to combinatorial topology in distributed network computing; **ANR TEMPORAL Meeting**, France, 2022, 2023: Forbidden Patterns in temporal graphs resulting from encounters in a corridor, Recoloring in temporal graphs; **Research workshop for Students**, VAST, Vietnam, 2020: Community Detection in Large Networks based on Spectral Approach and Random Walks on Graph.

OTHER ACTIVITIES

- Reviewer: PODC2025, SIRROCO 2024, ALGOWIN 2024.
- IRIF Graphs seminar organizer 2022-2024.

PUBLICATIONS

- Forbidden Patterns in temporal graphs resulting from encounters in a corridor, SSS2023.
- A Simple Lower Bound for Set Agreement in Dynamic Networks, SOSA2025.
- Agreement Tasks in Fault-Prone Synchronous Networks, STACS2025 and BA at DISC 2024.
- Canadian Traveler Problems in temporal graphs (submitted).
- How to Color Temporal Graphs to Ensure Proper Transitions (submitted).

FUNDINGS

- COFUND PhD funding under the Marie Skłodowska-Curie, European Union's Horizon 2020 research and innovation programme.
- PGSM Master's Scholarships, Foundation Sciences Mathématiques de Paris, 2021
- VinIF Master's Scholarships, VinIF - Vingroup Big Data Institute, 2020
- Research Fellowship for University students, Institute of Mathematics, 2020
- National Mathematics Development Scholarships, Vietnam Institute for Advanced Study in Mathematics, 2018-2020
- University Scholarships of Excellence, Hanoi National University of Education, 2019
- Scholarships of Excellence, High School for Gifted Students - Hanoi National University of Education, 2014-2016