

CURRICULUM VITAE

NGUYEN Minh Hang

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EDUCATION

University Paris Cite, Paris, France 2022 - present

Doctoral Candidate in Theoretical Computer Science

Supervisors: Pierre Fraigniaud, Mikael Rabie

University Paris Cite, Paris, France 2021 - 2022

Parisian Master of Research in Computer Science, MPRI

Hanoi National University of Education, Hanoi, Vietnam 2016 - 2020

Bachelor of Mathematics and Education.

High school for the gifted, Hanoi University of Education, Hanoi, Vietnam 2013 - 2016

Specialized in Mathematics

PROFESSIONAL TRAINING

Spring School of theoretical computer science, Oleron Island, France

Computational Complexity

June, 2023

Vietnam Institute for Advanced Study in Mathematics, Hanoi, Vietnam

Quantum Computing: Theory and Practice Course

2020

Mini-course: Essential Mathematics and Computing for Data Science

2019

Mathematics Summer School: Graph Theory

2019

VEF Academy, Hanoi, Vietnam

Machine Learning Courses

2019

RESEARCH EXPERIENCE

TU Wien, Vienna, Austria

Visiting Prof. Ulrich Schmidt

July 2024, February 2025

Aalto university, Helsinki, Finland

Visiting Prof. Jukka Soumela

September-October, 2024

City University of New York, New York, USA

Visiting Prof. Amotz Barnoy

October, 2023

Institute for Research in Fundamental Computer Science, Paris, France

Internship - Advisor: Assoc. Prof. Mikaël Rabie

2022

- Recoloring in Temporal Graph

Institute of Mathematics, Hanoi, Vietnam

Department Mathematical Foundations for Computer Science

Researcher - Advisor: Assoc. Prof. Ha Duong Phan

2020 - 2021

- Graph algorithms.

Internship -Advisor: Assoc. Prof. Ha Duong Phan

2020

- Scientific report on “Community Detection in Large Networks base on Spectral Approach and Random Walks on Graph”.

ICCOM Media & Tech, Hanoi, Vietnam

Internship at Natural Language Processing Team

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, New Orleans 2025; DISC, Madrid 2024; SSS, 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, Germany, 2025: Agreement Tasks in Fault-Prone Synchronous Networks; **SOSA**, US, 2025: A simple lower bound for set agreement in dynamic networks; **DISC**, 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**, 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.

PUBLICATIONS

- Canadian Traveler Problems in temporal graphs. Thomas Bellitto, Johanne Cohen, Bruno Escoffier, N., Mikael Rabie. WG 2025. (Arxiv)
- Agreement Tasks in Fault-Prone Synchronous Networks of Arbitrary Structure. Pierre Fraigniaud, N., Ami Paz. STACS 2025. (Arxiv)
- A Simple Lower Bound for Set Agreement in Dynamic Networks. Pierre Fraigniaud, N., Ami Paz. SOSA 2025. (Arxiv)
- Forbidden Patterns in temporal graphs resulting from encounters in a corridor. Monika Csikos, Michel Habib, N., Mikael Rabie, Laurent Viennot. SSS 2023. (Arxiv)
- How to Color Temporal Graphs to Ensure Proper Transitions. Allen Ibiapina, N., Mikael Rabie, Cleophee Robin. (Preprint).

OTHER ACTIVITIES

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

FUNDINGS

- COFUND PhD funding under the Marie Skłodowska-Curie, European Union's Horizon 2020 research and innovation programme, 2022.
- 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