Curriculum vitae

Matthieu Petiteau

2025-12-10

Education

PhD in Graph Theory *(ongoing) Grenoble-Alpes University, 2023-2026*

Engineer's degree in Informatics and Applied Mathematics *Grenoble-INP, Ensimag, 2020-2023*

Master's degree in "Operations Research, Combinatorics and Optimization"
Grenoble-Alpes University, 2022-2023

Publications

Note about the complexity of the acyclic orientation with parity constraint problem
with S. Gravier and I. Sivignon
Hal, arXiv

Talks

Journées Graphes et Algorithmes *JGA 2025* (Paris, France), 18-21 November, 2025, Talk : **Constrained acyclic orientations of grids**

European Conference on Combinatorics *Eurocomb'2025* (Budapest, France), 25-29 August, 2025, Talk : **Graph reconstruction from queries on triples**

Combinatorial-Optimisation Team Seminar (*G-SCOP*, Grenoble, France), 10 July, 2025 Talk : **Graph reconstruction from queries on triples of vertices**

Journées Graphes et Algorithmes *JGA 2024* (Dijon, France), 19-22 November, 2024, Talk : **About the complexity of the acyclic orientation with parity constraint problem**

Graphs and Complexity days 2025 (Lyon, France), 7-8 April, 2025

GaLac Team Seminar (*LISN*, Paris, France), 24 May, 2024, Talk : **About the complexity of the acyclic orientation with parity constraint problem**

Summer school Graphs and Algorithms *EPIT 2024*, (Aussois, France), 13-17 May, 2024

Supervision Experiences

Management and leading of a research project
Centrale Supelec, 2025 - M2 Research careers

Diffusion of mathematics

Member of the federation "Math à Modeler"
Grenoble and its surroundings, Paris, Bordeaux, Marseille and Saint-Maurice, 2023-
Outreach activities aimed at diverse audiences to explore and think over actual research problems through material manipulations.

Classroom workshop : *Middle School "Sainte-Marie Lyon"* La Verpillière (2025)

Booth : *"Salon des jeux mathématiques"* Paris (2025,2024,2023); *"Festival Remue-Méninge"* Grenoble (2025,2024,2023); *"Fête de la science"* Grenoble (2025), Valence (2024,2023)

Other Experiences

Research Internship in graph theory
Institut Fourier, 5 month, 2023

Internship to improve the debugging tools of Alma Nesting team
Alma, 3 month, 2022

Software project, development of a compiler for a sub-language of Java
Ensimag, 1 month, 2022

Supply-chain internship
Schneider electric, 1 month, 2021

Software project in C, graphic interface development
Ensimag, 1 month, 2021