

## EDUCATION

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### Université Paris-Dauphine

*Ph.D. in Computer Science*

- Supervisor: Michael Lampis
- Title: Fine-Grained Parameterized Approximation Algorithms and Complexity

Paris, France

*Sept. 2022 –*

### National Technical University of Athens

*Diploma in Electrical and Computer Engineering*

- GPA: 8.56/10
- Master's Degree equivalent
- Specialization in Computer Science

Athens, Greece

*Sept. 2014 – June 2021*

## EXPERIENCE

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### National Center for Scientific Research «Demokritos»

*Intern at the Roboskel lab of the Institute of Informatics & Telecommunications*

- Project [iRTA](#)
- Worked on autonomous robot navigation under restrictions
- Investigated and integrated navigation methods in the Robot Operating System (ROS)

Athens, Greece

*Sept. 2020 – Oct. 2020*

## RESEARCH INTERESTS

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- Approximation algorithms
- Combinatorial optimization
- Fine-grained complexity
- Graph theory
- Parameterized complexity
- Randomized algorithms

## PUBLICATIONS

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- [1] **Bandwidth Parameterized by Cluster Vertex Deletion Number**  
joint work with T. Gima, E. J. Kim, N. Köhler, N. Melissinos  
18th International Symposium on Parameterized and Exact Computation *IPEC 2023*
- [2] **Structural Parameterizations for Two Bounded Degree Problems Revisited**  
joint work with M. Lampis  
31st Annual European Symposium on Algorithms *ESA 2023*
- [3] **Parameterized Max Min Feedback Vertex Set**  
joint work with M. Lampis, N. Melissinos  
48th International Symposium on Mathematical Foundations of Computer Science *MFCS 2023*
- [4] **Approximating Subset Sum Ratio via Partition Computations**  
joint work with G. Alonistiotis, A. Antonopoulos, N. Melissinos, A. Pagourtzis, S. Petsalakis
  - preliminary version in the 33rd International Workshop on Combinatorial Algorithms *IWOCA 2022*
  - full version in *Acta Informatica*
- [5] **Faster Algorithms for  $k$ -Subset Sum and Variations**  
joint work with A. Antonopoulos, A. Pagourtzis, S. Petsalakis
  - extended abstract in the 15th Frontiers of Algorithmics Workshop *FAW 2021*
  - full version in the *Journal of Combinatorial Optimization* *J. Comb. Optim.*

## RESEARCH VISITS

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### University of Sheffield

*Host: Andreas Emil Feldmann*

Sheffield, UK

1 week, *Jan. 2024*

### Nagoya University

*Host: Yota Otachi*

Nagoya, Japan

1 week, *Dec. 2022*

## AWARDS

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- **The A.G. Leventis Foundation Educational Grant** *2023*
- **Thomaidio Award for publications** by the National Technical University of Athens *2021 & 2022*

## TECHNICAL SKILLS

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- **Languages:** C/C++, Python, SQL, SML-NJ
- **Frameworks:** OpenMP, MPI, L<sup>A</sup>T<sub>E</sub>X
- **Developer Tools:** Git

## LANGUAGES

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- **Greek:** Native speaker
- **English:** Excellent knowledge (C2)
- **German:** Intermediate knowledge (B2)