

Haris Angelidakis

Postdoctoral Researcher

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Appointments

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| 10/2020 - present | Postdoctoral Researcher at Department of Mathematics & Computer Science, TU Eindhoven, working with Prof. Laura Sanita. |
| 09/2018 - 08/2020 | Postdoctoral Researcher at Institute for Operations Research (IFOR) at Department of Mathematics, ETH Zurich, working with Prof. Rico Zenklusen. |
| 04/2011 - 07/2012 | Research Assistant at Computation and Reasoning Laboratory (Corelab) at Dep. of Electrical & Computer Engineering, National Technical University of Athens, working with Prof. Dimitris Fotakis. |

Education

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| 09/2012 - 08/2018 | PhD, Computer Science, Toyota Technological Institute at Chicago, USA. Thesis: Shortest path queries, graph partitioning and covering problems in worst and beyond worst case settings Advisor: Prof. Yury Makarychev |
| 09/2004 - 03/2011 | BSc, Electrical and Computer Engineering, National Technical University of Athens, Greece. |

Publications

1. Georg Anegg, Haris Angelidakis, Rico Zenklusen: *Simpler and Stronger Approaches for Non-Uniform Hypergraph Matching and the Füredi, Kahn, and Seymour Conjecture*. In SOSA 2021.
2. Georg Anegg, Haris Angelidakis, Adam Kurpisz, Rico Zenklusen: *A Technique for Obtaining True Approximations for k -Center with Covering Constraints*. In IPCO 2020.

3. Haris Angelidakis, Pranjali Awasthi, Avrim Blum, Vaggos Chatziafratis, Chen Dan: *Bilu-Linial stability, certified algorithms and the Independent Set problem*. In ESA 2019.
4. Haris Angelidakis, Konstantin Makarychev, Yury Makarychev: *Algorithms for Stable and Perturbation-Resilient Problems*. In STOC 2017.
5. Haris Angelidakis, Yury Makarychev, Pasin Manurangsi: *An Improved Integrality Gap for the Calinescu-Karloff-Rabani Relaxation for Multiway Cut*. In IPCO 2017.
6. Haris Angelidakis, Yury Makarychev, Vsevolod Oparin: *Algorithmic and Hardness Results for the Hub Labeling Problem*. In SODA 2017.
7. Haris Angelidakis, Dimitris Fotakis, Thanasis Lianas: *Stochastic Congestion Games with Risk-Averse Players*. In SAGT 2013.

Teaching Experience

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| 2019, 2020 | Co-instructor of “Advanced Topics in Discrete Optimization”, Dep. Of Mathematics, ETH Zurich |
| 2019 | TA of “Introduction to Mathematical Optimization”, Dep. of Mathematics, ETH Zurich |
| 2018 | TA of “Algorithms”, TTI-Chicago |
| 2015 | TA of “Mathematical Toolkit”, TTI-Chicago |
| 2010, 2011 | TA of “Algorithms and Complexity”, “Introduction to Programming” and “Programming Techniques”, Dep. of Electrical & Computer Engineering, NTUA |

Supervision

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| 2020 | MSc Thesis of Pontus Westermark: “Approximation Algorithms for k-Center problems”, ETH Zurich |
| 2020 | MSc Thesis of Ivan Sergeev: “On contention resolution for the hypergraph matching, knapsack, and k -column sparse packing problems”, ETH Zurich |
| 2019 | MSc Thesis of David Aleman Espinosa: “Algorithms for Instances of the Matroid Secretary Problem and Online Matching”, ETH Zurich |

Technical Skills

- Programming: C, Python
- Applications: LATEX, Microsoft Office
- Operating Systems: Microsoft Windows 7, Linux/Unix

Languages

- English: proficient
- Greek: native

References

- Prof. Yury Makarychev, TTI-Chicago (PhD Advisor), Email: yury@ttic.edu
- Prof. Rico Zenklusen, ETH Zurich (Postdoc Mentor), Email: ricoz@ethz.ch