

Artem Tsikiridis

POSTDOCTORAL RESEARCHER

CWI: Room M236, Science Park 123, 1098 XG Amsterdam, The Netherlands

✉ artem.tsikiridis@cwi.nl | 🏠 artemtsikiridis.com | 🔗 <https://www.linkedin.com/in/atsikiridis/>

Education

Athens University of Economics and Business

Athens, Greece

PHD IN COMPUTER SCIENCE

06/18 - 04/23

- Dissertation: Design and Analysis of Auction Mechanisms: Algorithms and Incentives
- Advisor: Evangelos Markakis

Athens University of Economics and Business

Athens, Greece

MSC IN COMPUTER SCIENCE

10/15 - 07/17

- GPA: 9.4/10 (Excellent)
- Thesis: Multi-unit Auctions - Equilibria and Inefficiency
- Advisor: Evangelos Markakis

Athens University of Economics and Business

Athens, Greece

BSC IN MANAGEMENT SCIENCE & TECHNOLOGY

10/10 - 09/15

- GPA: 8.83/10 (Excellent)
- Stream: Quantitative Methods in Management Science (Operations Research)

Positions and Academic Visits

05/23-

04/25

Postdoctoral Researcher, CWI (hosted by Guido Schäfer), Amsterdam, Netherlands

04/24-

05/24

Visitor, Sapienza University of Rome (hosted by Stefano Leonardi), Rome, Italy

10/22-

12/22

Research Intern, CWI (Networks & Optimization Group), Amsterdam, Netherlands

03/22

Visitor, University of Essex (hosted by Georgios Amanatidis), Colchester, UK

06/22-

07/22

Research Intern, Archimedes Unit (Athena Research Center), Athens, Greece

01/14-

12/14

Intern in Software Engineering, CERN, Geneva, Switzerland

06/13-

08/13

Intern in Cloud Computing, CERN, Geneva, Switzerland

Awards & Fellowships

2019

PhD Fellowship (Highest Evaluation In Country for Mathematics and Computer Science), Hellenic Foundation for Research and Innovation

2018

PhD Scholarship, Department of Informatics, AUEB

2017

Best Paper Award, Symposium on Algorithmic Game Theory, 2017

2012-2013

G. Chalkiopoulos Award for Excellence in Undergraduate Studies, Athens University of Economics and Business

Teaching Experience

2019-2022 (Spring)	Introduction to Algorithms , Teaching Assistant	AUEB, Greece
2019-2022 (Spring)	Game Theory and Decision Theory , Teaching Assistant	AUEB, Greece
2018 (Spring)	Advanced Algorithms , Teaching Assistant	UBC, Canada

Student Supervision

9/24-5/25	Twan Kroll , MSc Thesis (co-supervised with G. Schäfer) Efficiency of Multi-unit Autobidding Auctions	CWI, Netherlands
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Publications

WORKING PAPERS

B. de Keijzer, G. Schäfer, A. Tsikiris, C. Ventre. Willy Wonka Mechanisms On a Budget

R. Colini-Baldeschi, S. Klumper, S. Leonardi, G. Schäfer, A. Tsikiris. The Smoothness Framework in the Autobidding World.

G. Amanatidis, E. Markakis, C. Santorinaios, G. Schäfer, P. Tsamopoulos, and A. Tsikiris. Online Budget Beasible Mechanisms with Predictions.

IN REFEREED CONFERENCE PROCEEDINGS

G. Amanatidis, F. Fusco, R. Reiffenhäser, A. Tsikiris. Pandora's Box Problem Over Time, *In Proceedings of the 20th Conference on Web and Internet Economics* (WINE 2024, Edinburgh, UK)

R. Colini-Baldeschi, S. Klumper, G. Schäfer, A. Tsikiris. To Trust or Not to Trust: Assignment Mechanisms with Predictions in the Private Graph Model, *In Proceedings of the 25th ACM Conference on Economics and Computation* (EC 2024, New Haven, USA)

G. Amanatidis, S. Klumper, E. Markakis, G. Schäfer, A. Tsikiris. Partial Allocations in Budget-Feasible Mechanism Design: Bridging Multiple Levels of Service and Divisible Agents, *In Proceedings of the 19th Conference on Web and Internet Economics* (WINE 2023, Shanghai, China)

E. Markakis, G. Papasotiropoulos, A. Tsikiris. On Improved Interval Cover Mechanisms for Crowdsourcing Markets, *In Proceedings of the 15th International Symposium on Algorithmic Game Theory* (SAGT 2022, Colchester, UK).

E. Markakis, A. Sgouritsa, A. Tsikiris. Towards a Characterization of Worst Case Equilibria in the Discriminatory Price Auction, *In Proceedings of the 17th Conference on Web and Internet Economics* (WINE 2021, remote).

E. Markakis, A. Tsikiris. On Core-Selecting and Core-Competitive Mechanisms for Binary Single-Parameter Auctions, *In Proceedings of the 15th Conference on Web and Internet Economics* (WINE 2019, New York, USA).

G. Birmas, E. Markakis, O. Telelis, A. Tsikiris. Tight Welfare Guarantees for Pure Nash Equilibria of the Uniform Price Auction, *In Proceedings of the 10th International Symposium on Algorithmic Game Theory* (SAGT 2017, L'Aquila, Italy). **Best Paper Award**.

JOURNALS

G. Birmas, E. Markakis, O. Telelis, A. Tsikiris. Tight Welfare Guarantees for Pure Nash Equilibria of the Uniform Price Auction, *Theory of Computing Systems*, 2019 (supersedes the conference publication with the same name)

Talks and Workshops

TALKS

November 2024. *Pandora's Box Over Time*. Dutch Seminar on Optimization (online).

June 2024. *Assignment Mechanisms with Predictions*. Archimedes / Athena Research Center, Athens, Greece.

November 2023. *Partial Allocations in Budget Feasible Mechanism Design*. University of Amsterdam, Amsterdam, The Netherlands.

POSTERS IN INVITATIONAL WORKSHOPS

WALE 2024, Workshop on Algorithms, Learning and Economics, Kefalonia, Greece, 06/24

SLMath, Algorithms, Approximation, and Learning in Market and Mechanism Design, Berkeley, USA, 11/23

ALGA 2023, Algorithms, Learning and Games, Sicily, Italy, 06/23

WALE 2022, Workshop on Algorithms, Learning and Economics, Naxos, Greece, 06/22

Service

PROGRAM COMMITTEES

EC (2025), WINE (2024), AAMAS (2025), ECAI (2024), SAGT (2023)

JOURNAL REVIEWER

Theoretical Computer Science (2023-2024)

SUBREVIEWER

STOC (2025), EC (2020, 2022, 2024), WINE (2017-2021), ITCS (2020), ICALP (2019), AAMAS (2018), STACS (2024), FCT (2021), SAGT (2022-2024), COCCOON (2024)

LOCAL ARRANGEMENTS FOR CONFERENCES

SAGT 2024 (Amsterdam, Netherlands), SAGT 2019 (Athens, Greece), 20PoA (Chania, Greece), ACAC (2017 & 2020, Athens, Greece)