

# Georgios Amanatidis

Department of Informatics, Athens University of Economics and Business

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## Academic Appointments

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**Assistant Professor**, December 2024 – present

Department of Informatics

Athens University of Economics and Business, Athens, Greece

**Lead Researcher**, January 2023 – present

Archimedes Unit for Research in Artificial Intelligence, Data Science & Algorithms (Archimedes / Athena RC)

Athena Research Center, Athens, Greece

**Senior Lecturer (Associate Professor)**, October 2023 – December 2024

School of Mathematics, Statistics and Actuarial Science (SMSAS)

University of Essex, Colchester, UK

**Lecturer (Assistant Professor)**, April 2020 – September 2023

Department of Mathematical Sciences

University of Essex, Colchester, UK

**Researcher (VENI Laureate)**, April 2020 – March 2021

Institute for Logic, Language and Computation

Universiteit van Amsterdam, Amsterdam, Netherlands. *Host: Ulle Endriss*

**Senior Postdoctoral Researcher**, September 2019 – August 2020

Department of Computer, Control and Management Engineering

Sapienza Università di Roma, Rome, Italy. *Host: Stefano Leonardi*

**Postdoctoral Researcher**, September 2017 – August 2019

Networks & Optimization Group

Centrum Wiskunde & Informatica (CWI), Amsterdam, Netherlands. *Host: Guido Schäfer*

## Education

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**Ph.D. in Computer Science**, 2017

Athens University of Economics & Business (AUEB), Greece. *Advisor: Evangelos Markakis*

Thesis: *Algorithmic and Mechanism Design Aspects of Problems with Limited—or no—Payments*

**M.Sc. in Mathematics**, 2009

School of Mathematics, Georgia Institute of Technology, USA

**Diploma in Applied Mathematics**, 2004

National Technical University of Athens (NTUA), Greece

## Research Interests

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*Algorithmic Game Theory* (mechanism design; fairness of equilibria; rational cryptography)

*Graph Theory* (graph algorithms; network models; graph sampling)

*Approximation Algorithms* (submodular maximization; information-efficiency trade-offs)

*Computational Social Choice Theory* (fair division; voting)

### Peer-Reviewed Journals

17. *Round-Robin Beyond Additive Agents: Existence and Fairness of Approximate Equilibria*  
Mathematics of Operations Research, *in press*  
G. Amanatidis, G. Birmpas, P. Lazos, S. Leonardi, and R. Reiffenhäuser
16. *Approximately Sampling and Counting Graphs with Near-Regular Degree Intervals*  
SIAM Journal on Discrete Mathematics, Vol. 38(4), 2812–2840, 2024  
G. Amanatidis, P. Kleer
15. *Don't Roll the Dice, Ask Twice: The Two-Query Distortion of Matching Problems and Beyond*  
SIAM Journal on Discrete Mathematics, Vol. 38(1), 1007–1029, 2024  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, and A. A. Voudouris
14. *Allocating Indivisible Goods to Strategic Agents: Pure Nash Equilibria and Fairness*  
Mathematics of Operations Research, Vol. 49(4), 2425–2445, 2023  
G. Amanatidis, G. Birmpas, F. Fusco, P. Lazos, S. Leonardi, and R. Reiffenhäuser
13. *Fair Division of Indivisible Goods: Recent Progress and Open Questions*  
Artificial Intelligence (ARTINT), Vol. 322, 103965, 2023  
G. Amanatidis, H. Aziz, G. Birmpas, A. Filos-Ratsikas, B. Li, H. Moulin, A. A. Voudouris, and X. Wu
12. *A Few Queries Go a Long Way: Information-Distortion Tradeoffs in Matching*  
Journal of Artificial Intelligence Research, Vol. 74, 227–261, 2022  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, and A. A. Voudouris
11. *Fast Adaptive Non-Monotone Submodular Maximization Subject to a Knapsack Constraint*  
Journal of Artificial Intelligence Research, Vol. 74, 661-690, 2022  
G. Amanatidis, F. Fusco, P. Lazos, S. Leonardi, and R. Reiffenhäuser
10. *Rapid mixing of the switch Markov chain for 2-class joint degree matrices*  
SIAM Journal on Discrete Mathematics, Vol. 36(1), 118-146, 2022  
G. Amanatidis, P. Kleer
9. *Budget-Feasible Mechanism Design for Non-Monotone Submodular Objectives: Offline and Online*  
Mathematics of Operations Research, Vol. 47(3), 2286-2309, 2022  
G. Amanatidis, P. Kleer and G. Schäfer
8. *Peeking Behind the Ordinal Curtain: Improving Distortion via Cardinal Queries*  
Artificial Intelligence (ARTINT), Vol. 296, 103488, 2021  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, and A. A. Voudouris
7. *Inequity Aversion Pricing over Social Networks: Approximation Algorithms and Hardness Results*  
Theoretical Computer Science, Vol. 871, 62-78, 2021  
G. Amanatidis, P. Fulla, E. Markakis, and K. Sornat
6. *Maximum Nash welfare and other stories about EFX*  
Theoretical Computer Science, Vol. 863, 69-85, 2021  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, A. Hollender, and A. A. Voudouris
5. *A Simple Deterministic Algorithm for Symmetric Submodular Maximization Subject to a Knapsack Constraint*  
Information Processing Letters, Vol. 163, 106010, 2020  
G. Amanatidis, G. Birmpas and E. Markakis
4. *Multiple Birds with One Stone: Beating 1/2 for EFX and GMMS via Envy Cycle Elimination*  
Theoretical Computer Science, Vol. 841, 94-109, 2020  
G. Amanatidis, E. Markakis and A. Ntokos

3. *Rapid Mixing of the Switch Markov Chain for Strongly Stable Degree Sequences*  
Random Structures & Algorithms, Vol. 57, 637-657, 2020  
G. Amanatidis, P. Kleer
2. *Connected Realizations of Joint-Degree Matrices*  
Discrete Applied Mathematics, Vol. 250, 65-74, 2018  
G. Amanatidis, B. Green and M. Mihail
1. *Approximation Algorithms for Computing Maximin Share Allocations*  
ACM Transactions on Algorithms, Vol. 13(4), 52:1-52:28, 2017  
G. Amanatidis, E. Markakis, A. Nikzad, and A. Saberi

#### Peer-Reviewed Conferences

29. *Algorithmically Fair Maximization of Multiple Submodular Objectives*  
G. Amanatidis, G. Birmpas, P. Lazos, S. Leonardi, and R. Reiffenhäuser  
24th International Conference on Autonomous Agents and Multi-Agent Systems, AAMAS 2025
28. *Pandora's Box Problem Over Time*  
G. Amanatidis, F. Fusco, R. Reiffenhäuser, and A. Tsikiris  
20th Conference on Web and Internet Economics, WINE 2024
27. *Pushing the Frontier on Approximate EFX Allocations*  
25th ACM conference on Economics and Computation, EC 2024  
G. Amanatidis, A. Filos-Ratsikas, and A. Sgouritsa
26. *On the Potential and Limitations of Proxy Voting: Delegation with Incomplete Votes*  
23rd International Conference on Autonomous Agents and Multi-Agent Systems, AAMAS 2024  
G. Amanatidis, A. Filos-Ratsikas, P. Lazos, E. Markakis, G. Papasotiropoulos
25. *Partial Allocations in Budget-Feasible Mechanism Design: Bridging Multiple Levels of Service and Divisible Agents*  
19th Conference on Web and Internet Economics, WINE 2023  
G. Amanatidis, S. Klumper, E. Markakis, G. Schäfer, A. Tsikiris
24. *Round-Robin Beyond Additive Agents: Existence and Fairness of Approximate Equilibria*  
24th ACM conference on Economics and Computation, EC 2023  
G. Amanatidis, G. Birmpas, P. Lazos, S. Leonardi, and R. Reiffenhäuser
23. *Approximately Sampling and Counting Graphs with Near-Regular Degree Intervals*  
40th International Symposium on Theoretical Aspects of Computer Science, STACS 2023  
G. Amanatidis, P. Kleer
22. *Don't Roll the Dice, Ask Twice: The Two-Query Distortion of Matching Problems and Beyond*  
36th Conference on Neural Information Processing Systems, NeurIPS 2022  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, and A. A. Voudouris
21. *Decentralised Update Selection with Semi-Strategic Experts*  
15th International Symposium on Algorithmic Game Theory, SAGT 2022  
G. Amanatidis, G. Birmpas, P. Lazos, F. Marmolejo-Cossío
20. *Fair Division of Indivisible Goods: A Survey*  
30th International Joint Conference on Artificial Intelligence, IJCAI 2022 - Survey Track  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, and A. A. Voudouris
19. *Allocating Indivisible Goods to Strategic Agents: Pure Nash Equilibria and Fairness*  
17th Conference on Web and Internet Economics, WINE 2021, **Best Paper Award**  
G. Amanatidis, G. Birmpas, F. Fusco, P. Lazos, S. Leonardi, and R. Reiffenhäuser

18. *Submodular Maximization subject to a Knapsack Constraint: Combinatorial Algorithms with Near-Optimal Adaptive Complexity*  
38th International Conference on Machine Learning, *ICML 2021*  
G. Amanatidis, F. Fusco, P. Lazos, S. Leonardi, A. Marchetti-Spaccamela, and R. Reiffenhäuser
17. *A Few Queries Go a Long Way: Information-Distortion Tradeoffs in Matching*  
35th AAAI Conference on Artificial Intelligence, *AAAI 2021*  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, and A. Voudouris
16. *Fast Adaptive Non-Monotone Submodular Maximization Subject to a Knapsack Constraint*  
34th Conference on Neural Information Processing Systems, *NeurIPS 2020*  
G. Amanatidis, F. Fusco, P. Lazos, S. Leonardi, and R. Reiffenhauser
15. *Maximum Nash Welfare and Other Stories About EFX*  
29th International Joint Conference on Artificial Intelligence, *IJCAI 2020*  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, A. Hollender, and A. A. Voudouris
14. *Multiple Birds with One Stone: Beating  $1/2$  for EFX and GMMS via Envy Cycle Elimination*  
34th AAAI Conference on Artificial Intelligence, *AAAI 2020*  
G. Amanatidis, E. Markakis and A. Ntokos
13. *Peeking Behind the Ordinal Curtain: Improving Distortion via Cardinal Queries*  
34th AAAI Conference on Artificial Intelligence, *AAAI 2020*  
G. Amanatidis, G. Birmpas, A. Filos-Ratsikas, and A. Voudouris
12. *Budget-Feasible Mechanism Design for Non-Monotone Submodular Objectives: Offline and Online*  
20th ACM conference on Economics and Computation, *EC 2019*  
G. Amanatidis, P. Kleer and G. Schäfer
11. *Rapid Mixing of the Switch Markov Chain for Strongly Stable Degree Sequences and 2-Class Joint Degree Matrices*  
30th Annual ACM-SIAM Symposium on Discrete Algorithms, *SODA 2019*  
G. Amanatidis, P. Kleer
10. *An Improved Envy-Free Cake Cutting Protocol for Four Agents*  
11th International Symposium on Algorithmic Game Theory, *SAGT 2018*  
G. Amanatidis, G. Christodoulou, J. Fearnley, E. Markakis, C.-A. Psomas, and E. Vakaliou
9. *Comparing Approximate Relaxations of Envy-Freeness*  
27th International Joint Conference on Artificial Intelligence, *IJCAI 2018*  
G. Amanatidis, G. Birmpas and E. Markakis
8. *On Budget-Feasible Mechanism Design for Symmetric Submodular Objectives*  
13th Conference on Web and Internet Economics, *WINE 2017*  
G. Amanatidis, G. Birmpas and E. Markakis
7. *Truthful Allocation Mechanisms Without Payments: Characterization and Implications on Fairness*  
18th ACM conference on Economics and Computation, *EC 2017*  
G. Amanatidis, G. Birmpas, G. Christodoulou, and E. Markakis
6. *Coverage, Matching, and Beyond: New Results on Budgeted Mechanism Design*  
12th Conference on Web and Internet Economics, *WINE 2016*  
G. Amanatidis, G. Birmpas and E. Markakis
5. *Inequity Aversion Pricing over Social Networks: Approximation Algorithms and Hardness Results*  
41st International Symposium on Mathematical Foundations of Computer Science, *MFCS 2016*  
G. Amanatidis, E. Markakis and K. Sornat

4. *On Truthful Mechanisms for Maximin Share Allocations*  
25th International Joint Conference on Artificial Intelligence, *IJCAI 2016*  
G. Amanatidis, G. Birmipas and E. Markakis
3. *Approximation Algorithms for Computing Maximin Share Allocations*  
42nd International Colloquium on Automata, Languages, and Programming, *ICALP 2015, Track A*  
G. Amanatidis, E. Markakis, A. Nikzad, and A. Saberi
2. *Multiple Referenda and Multiwinner Elections Using Hamming Distances: Complexity & Manipulability*  
14th International Conference on Autonomous Agents and Multiagent Systems, *AAMAS 2015*  
G. Amanatidis, N. Barrot, J. Lang, E. Markakis, and B. Ries
1. *Provably-Secure Schemes for Basic Query Support in Outsourced Databases*  
21st IFIP WG11.3 Working Conference on Data and Application Security, *DBSec 2007*  
G. Amanatidis, A. Boldyreva and A. O'Neill

## Teaching Experience

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Fellow of the Advance HE (formerly the Higher Education Academy), UK, since 7/4/2022

Instructor or co-instructor:

*Combinatorial Optimization* (MSc level), SMSAS, U. of Essex, Fall 2023

*Applied Mathematics*, Dept. of Mathematical Sciences, U. of Essex, Spring 2023

*Discrete Mathematics*, Dept. of Mathematical Sciences, U. of Essex, Spring 2021, Fall 2021

*Mathematical and Computational Modelling*, Dept. of Mathematical Sciences, U. of Essex, Fall 2020

*Social Networks & Online Markets* (MSc level), DIAG, Sapienza U. of Rome, Spring 2020

*Game Theory* (MSc level), ILLC, U. of Amsterdam, Spring 2018.

*Algorithms*, Dept. of Informatics, Athens University of Economics & Business, Spring 2017.

Teaching Assistant (for the Dept. of Informatics, AUEB):

*Game Theory & Decision Theory*, Spring 2015, Spring 2016, Spring 2017

*Design & Analysis of Algorithms* (MSc level), Fall 2016

*Algorithms*, Spring 2015, Spring 2016

## Postgraduate Student Supervision

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Alexandros Lolos	2023–present, Ph.D. in Computer Science, Archimedes / Athena RC and AUEB (co-supervision with Evangelos Markakis) Potential thesis title: Learning-Augmented Algorithm and Mechanism Design
Guillaume Favre	2022, M.Sc. in Mathematics, University of Essex Thesis title: Dvořák-Postle Colorings on Special Families of Graphs
Victor Turmel	2022, M.Sc. Program J. Hadamard in Mathematics, Université Paris-Saclay 12-week Internship at the University of Essex Topic: Topics in Online Fair Division
Kerri Bamford	2021, M.Sc. in Mathematics, University of Essex Thesis title: <i>Subquadratic Algorithms for All-Pairs Shortest Paths</i>
Carlos Salido	2021, M.Sc. in Mathematics and Finance, University of Essex Thesis title: <i>Using Social Media Trends to Predict Trading Behavior in Financial Markets</i>

Sophie Klumper 2018, M.Sc. in Econometrics and Operations Research, Vrije Universiteit  
(co-supervision with Guido Schäfer)  
Thesis title: *Budget Feasible Mechanisms for Procurement Auctions*

### Participation in Research Projects

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1/2023–present ARCHIMEDES Project *Game Theory and Multi-Agent Learning*. PIs: Evangelos Markakis, Georgios Amanatidis

4/2020–3/2024 NWO Veni Grant VI.Veni.192.153: “*Algorithmic Fair Division in Dynamic, Socially Constrained Environments*”. PI: Georgios Amanatidis

1/2021–9/2023 HFRI Grant *Combinatorial Reverse Auctions: Design of Efficient Mechanisms for Crowdsourcing Markets (COMRADE)*. PI: Evangelos Markakis

9/2019–8/2020 ERC Advanced Grant *Algorithmic and Mechanism Design Research for Online Markets (AMDROMA)*. PI: Stefano Leonardi

9/2018–8/2019 NWO Gravitation Project *NETWORKS*. PI: Prof. Michel Mandjes

9/2017–8/2018 NWO Free Competition Grant *Societal Impact Games (SocialACT)*. PI: Guido Schäfer

9/2014–11/2015 THALES Basic Research Project *Algorithmic Game Theory (AGT)*. PI: Paul Spirakis

9/2014–11/2015 THALES Basic Research Project *Algorithms of Today (ALGONOW)*. PI: Stathis Zachos

### Administrative Roles

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10/2020–12/2024 *UG/PGT Admissions Officer*, SMSAS, U. of Essex

7/2023–9/2024 *Research Theme Leader for Operations Research*, SMSAS, U. of Essex

7/2023–9/2024 *Course Director for MSc Optimisation and Data Analytics*, SMSAS, U. of Essex

3/2022–7/2023 *Deputy Director of Employability*, Department of Mathematical Sciences, U. of Essex

10/2020–11/2021 *Ethics Officer*, Department of Mathematical Sciences, U. of Essex

9/2018–8/2019 *Educational Committee Member*, NWO Gravitation Project *NETWORKS*

### Academic Visits

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19/2/2024–1/3/2024 Archimedes Unit of Athena Research Center.  
17/7/2023–4/8/2023 *All three visits supported by the host institute.*  
19/6/2023–30/6/2023

3/4/2023–7/4/2023 University of Edinburgh. *Host: Aris Filos-Ratsikas*  
*Supported by the NWO Veni Grant No. VI.Veni.192.153.*

19/12/2022–23/12/2022 Sapienza University of Rome. *Host: Stefano Leonardi*  
*Supported by the NWO Veni Grant No. VI.Veni.192.153.*

23/5/2022–27/5/2022 University of Liverpool. *Hosts: Alkmini Sgouritsa,*  
*Supported by the host institute.* *Aris Filos-Ratsikas*

17/12/2021–23/12/2021 Athens University of Economics & Business. *Host: Evangelos Markakis*  
*Supported by COMRADE HFRI Grant.*

5/4/2019–13/4/2019 Sapienza University of Rome. *Host: Stefano Leonardi*  
*Supported by AMDROMA ERC Advanced Grant.*

6/4/2018–16/4/2018	Athens University of Economics & Business. <i>Host: Evangelos Markakis</i> <i>Supported by the COST Action CA16228: European Network for Game Theory.</i>	
21/10/2016–6/11/2016	Rensselaer Polytechnic Institute. <i>Supported by the host institute.</i>	<i>Host: Vassilis Zikas</i>
16/9/2016–23/9/2016	University of Liverpool. <i>Supported by the COST Action IC1205 on Computational Social Choice.</i>	<i>Host: George Christodoulou</i>

## Selected Talks

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### *Pushing the Frontier on Approximate EFX Allocations*

Algorithmics of Fair Division and Social Choice Workshop, **Invited talk**, 27/11/2024

### *Budget-Feasible Mechanism Design: Partial Allocations and Non-Monotonicity*

Archimedes Seminar, Archimedes / Athena RC, 29/02/2024

### *Allocating Indivisible Goods to Strategic Agents: Stability and Fairness*

Dagstuhl Seminar 24401 on Fair Division, **Invited talk**, 30/9/2024

Workshop on Fair Resource Allocation: Concepts, Algorithms & Complexity (FairACAC '23), 04/09/2023

Workshop on Algorithms, Learning, and Games (ALGA '23), **Invited talk**, 08/06/2023

Laboratory for Foundations of Computer Science Seminar, University of Edinburgh, 04/04/2023

### *Round-Robin Beyond Additive Agents: Existence and Fairness of Approximate Equilibria*

24th ACM conference on Economics and Computation (EC '23), 09/07/2023

### *Allocating Indivisible Goods to Strategic Agents: Pure Nash Equilibria and Fairness*

Algorithms and Complexity Theory Seminar, University of Oxford, 27/10/2022

Computer Science Department Seminar, University of Liverpool, 24/5/2022

CS Theory Seminar, AUEB, 22/12/2021

### *Don't Roll the Dice, Ask Twice: The Two-Query Distortion of Matching Problems and Beyond*

New Trends and Beyond Worst-case Analysis on Mechanism Design and Approximation Algorithms Workshop, **Invited talk**, 25/2/2022

### *Budget-Feasible Mechanism Design for Non-Monotone Submodular Objectives: Offline and Online*

ECE Colloquium, Technical University of Crete, 02/03/2021

Algorithms Postdocs in Europe Workshop (ALGPiE '19), **Invited talk**, 16/10/2019

Workshop on Markets, Algorithms, Prediction, and Learning (MAPLE '19), 19/09/2019

20th ACM conference on Economics and Computation (EC '19), 27/06/2019

### *On the Existence and Approximation of EFX Allocations*

CORELAB Seminar, NTUA, 29/11/2020

### *Rapid Mixing of the Switch Markov Chain for Strongly Stable Degree Sequences*

Mathematics Essex Seminar Series (MESS), University of Essex, 05/11/2020

### *Peeking Behind the Ordinal Curtain: Improving Distortion via Cardinal Queries*

Athens Colloquium on Algorithms and Complexity (ACAC '20), 28/08/2020

Workshop on the Distortion and Information-Efficiency Tradeoffs (DIET '20), 23/07/2020

*Multiple Birds with One Stone: Beating  $1/2$  for EFX and GMMS via Envy Cycle Elimination*

CS Theory Seminar, AUEB, 21/02/2020

34th AAAI Conference on Artificial Intelligence (AAAI '20), 10/02/2020

*Comparing Approximate Relaxations of Envy-Freeness*

Computational Social Choice Seminar, ILLC, University of Amsterdam, 14/11/2018

27th International Joint Conference on Artificial Intelligence (IJCAI '18), 17/07/2018

7th International Workshop on Computational Social Choice (COMSOC '18), 25/06/2018

*Fair Allocation of Indivisible Resources*

9th NETWORKS Day, Leiden, 19/09/2018

*An Improved Envy-Free Cake Cutting Protocol for Four Agents*

13th Athens Colloquium on Algorithms & Complexity (ACAC '18), 24/08/2018

*On Budget-Feasible Mechanism Design for Symmetric Submodular Objectives*

CWI-DIAMANT Seminar Combinatorics and Optimization, CWI, 14/02/2018

12th Athens Colloquium on Algorithms & Complexity (ACAC '17), 25/08/2017

*On Truthful Mechanisms for Maximin Share Allocations*

12th Conference on Web and Internet Economics (WINE '16), *lightning talk*, 12/12/2016

*Coverage, Matching, and Beyond: New Results on Budgeted Mechanism Design*

12th Conference on Web and Internet Economics (WINE '16), 14/12/2016

CS Theory Seminar, AUEB, 11/11/2016

11th Athens Colloquium on Algorithms & Complexity (ACAC '16), 26/08/2016

*Approximation Algorithms for Computing Maximin Share Allocations*

2nd Algorithmic Game Theory in Athens colloquium (AGaThA '16), 20/07/2016

11th Conference on Web and Internet Economics (WINE '15), *lightning talk*, 10/12/2015

42nd International Colloquium on Automata, Languages, & Programming (ICALP '15), 06/07/2015

*Multiple Referenda and Multiwinner Elections Using Hamming Distances*

1st Algorithmic Game Theory in Athens colloquium (AGaThA '15), 27/05/2015

14th Conference on Autonomous Agents and Multiagent Systems (AAMAS '15), 07/05/2015

CS Theory Seminar, AUEB, 27/03/2015

## Professional Service

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*Co-organizer:*

2nd Workshop on Fair Resource Allocation: Concepts, Algorithms & Complexity (FairACAC@SAGT '23)

UK leg of the 36th / 37th Championship of Mathematical and Logical Games – May 2022 / May 2023

1st Workshop on Fair Resource Allocation: Concepts, Algorithms & Complexity (FairACAC@EC '21)

PhD Day of the 7th International Conference on Algorithmic Decision Theory (PhD Day@ADT '21)

*Senior Program Committee member:*

27th European Conference on Artificial Intelligence (ECAI '24)

*Program Committee member:*

17th International Symposium on Algorithmic Game Theory (SAGT '24)



25th ACM conference on Economics and Computation (ACM EC '24)  
16th International Symposium on Algorithmic Game Theory (SAGT '23)  
1st IJCAI Workshop on Computational Fair Division (CFD@IJCAI '23)  
32nd International Joint Conference on Artificial Intelligence (IJCAI '23)  
32nd edition of The Web Conference series; formerly known as WWW (TheWebConf '23)  
15th International Symposium on Algorithmic Game Theory (SAGT '22)  
23rd ACM conference on Economics and Computation (ACM EC '22)  
36th AAAI Conference on Artificial Intelligence (AAAI '22)  
35th Conference on Neural Information Processing Systems (NeurIPS '21)  
38th International Conference on Machine Learning (ICML '21)  
20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS '21)  
35th AAAI Conference on Artificial Intelligence (AAAI '21)  
34th Conference on Neural Information Processing Systems (NeurIPS '20)  
33rd AAAI Conference on Artificial Intelligence (AAAI '20)  
28th International Joint Conference on Artificial Intelligence (IJCAI '19)  
1st Workshop on Theoretical Aspects of Fairness (WTAF@ICALP '19)  
1st Fair Allocation in Multiagent Systems Workshop (FAMAS@AAMAS '19)  
18th International Conference on Autonomous Agents and Multiagent Systems (AAMAS '19)  
19th ACM conference on Economics and Computation (ACM EC '18)  
The 27th International Joint Conference on Artificial Intelligence (IJCAI '18)  
17th International Conference on Autonomous Agents and Multiagent Systems (AAMAS '18)

*Reviewer for journals:*

Artificial Intelligence  
Mathematics of Operations Research  
Annals of Combinatorics  
Journal of Artificial Intelligence Research  
SIAM Journal on Discrete Mathematics  
Theoretical Computer Science  
Social Choice and Welfare  
ACM Transactions on Economics and Computation  
Electronic Journal of Combinatorics  
Discrete Optimization  
Journal of Autonomous Agents and Multi-Agent Systems  
ACM Journal of Experimental Algorithmics  
Computers & Operations Research  
Journal of Algebraic Statistics

*Reviewer for conferences:*

SODA '24, IWOCOA '24, SODA '23, SOSA '23, SAGT '21, ADT '21, APPROX '21, EC '21, SODA '21, ESA '20, EC '20, SODA '19, SAGT '19, ICALP '19, WINE '18, MFCS '18, SAGT '17, EC '17, CIAC '17, ICPP '17, WINE '16, ISCO '16, AAAI '16, AAMAS '15

*Reviewer for funding agencies:*

UK Research and Innovation (UKRI)  
Israel Science Foundation (ISF)  
Hungarian Scientific Research Fund (OTKA)

## Grants

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*Archimedes / Athena RC project: “Algorithmic Learning and Incentives: Synergies in Optimization and Mechanism Design”, 2023-2027 (Lead Researcher / co-PI), with co-PI: Evangelos Markakis, funding for three PhD positions)*

*NWO Veni Grant: “Algorithmic Fair Division in Dynamic, Socially Constrained Environments”, 2020-23. (PI)*

*Short-Term Scientific Mission Grant: “On Socially Constrained Envy-Freeness up to the Least Valued Good”, COST Action CA16228: European Network for Game Theory, 2018.*

*Short-Term Scientific Mission Grant: “Maximin Share Fairness and Mechanism Design”, COST Action IC1205 on Computational Social Choice, 2016.*

*Student Travel Grants (COMSOC 2016, WINE 2015, AAMAS 2015, WebSci 2009)*

*Doctoral level grant to participate in the Research Programme on Algorithmic Perspective in Economics and Physics, Centre de Recerca Matemàtica (CRM), Spain, 2015.*