




# GEORGIOS PAPASOTIROPOULOS

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## EDUCATION

- PhD in “Algorithmic & Game-Theoretic Aspects of Computational Social Choice”  
Athens University of Economics and Business (A.U.E.B.), dept: “Informatics” | advisor: Prof. E. MARKAKIS
- MSc in ALGORITHMS, LOGIC & DISCRETE MATHEMATICS (A.L.M.A.) GPA: 9.5/10  
University of Athens, dept: “Informatics & Telecommunications”, “Mathematics” & National Technical University of Athens,  
sch: “Electrical & Computer Engineering”, “Applied Mathematical & Physical Sciences”  
THESIS: “Voting Rules for Expressing Conditional Preferences in Multiwinner Elections”
- BSc in MATHEMATICS (stream: “Computational Mathematics & Informatics”) GPA: 8.76/10  
University of Patras, Greece (stream’s GPA: 9.44/10)  
THESIS: “Graph-Theoretic Aspects on Twitter-Graphs”

## SCHOLARSHIPS & DISTINCTIONS

- FEB '22 | SCHOLARSHIP for doctoral studies: H.F.R.I. (dur: 20 months) | ranked FIRST (out of 102)
- DEC '21, '19 | SCHOLARSHIPS for doctoral studies: R.C./A.U.E.B. (dur: 6+6 months)
- JUNE '19 | ranked FIRST (out of 15) at the MSc program
- JUNE '17 | ranked FIRST (out of ≈250) at the BSc program
- SEPT '17 | SCHOLARSHIP for master studies: Lilian Voudouri Foundation

## RESEARCH POSITIONS

- MAR '27 | PostDoc Researcher—rank of Asst. Professor | host: Piotr Skowron, funder: ERC grant PRO-DEMOCRATIC
- APR '24 | University of Warsaw, Faculty of Mathematics, Informatics, and Mechanics
- AUG '24 | Research Visit at AGH University of Science and Technology–Krakow | host: Piotr Faliszewski
- FEB '24 | Research Internship Program
- NOV '23 | employer: Input Output (IOHK)
- OCT '23 | Research Visit at University of Warsaw | host: Piotr Skowron
- JULY '23 | Summer School of Computational Social Choice | organizer: Institute for Logic, Language and Computation (ILLC) at the University of Amsterdam
- II—
- JULY '22 | Research Intensive Internship Program | organizer: Archimedes, the unit of Athena RC for Research on AI, Data Science and Algorithms
- JUNE '22
- MAY '22 | Research Visit at LAMSADE (Université Paris-Dauphine & CNRS) | host: Jérôme Lang, funder: Cost Action
- APRIL '22 | 16228 - European Network for Game Theory (gamenet)
- AUG '21 | Junior Researcher at project COMRADE: Combinatorial Reverse Auctions: Design of Efficient Mechanisms for Crowdsourcing Markets | funder: Hellenic Foundation for Research and Innovation (H.F.R.I.)
- JULY '20

## PEER-REVIEWED CONFERENCE PUBLICATIONS

- under review: *Proportionality in Thumbs Up and Down Voting*, w/ S. Kraicz, G. Pierczynski, P. Skowron.
- under review: *Proportional Selection in Networks*, w/ O. Skibski, P. Skowron, T. Was.
- under review: *Cycles in Liquid Democracy: A Game-Theoretic Justification*, w/ M. Brill, R. Colley, A.M. George, G. Lisowski, U. Schmidt-Kraepelin.
- under review: *Participatory Budgeting with Donations: The Case of Selective Voters*, w/ P. Lazos, E. Markakis.
- EC’25: *Method of Equal Shares with Bounded Overspending*, w/ Z. Pishbin, O. Skibski, P. Skowron, T. Was.
- AAAI’25: *The Cost Perspective of Liquid Democracy: Feasibility and Control*, w/ S. Alouf-Heffetz, L. Janeczko, G. Lisowski.
- ADT’24: *As Time Goes By: Adding a Temporal Dimension Towards Resolving Delegations in Liquid Democracy*, w/ E. Markakis.
- AAMAS’24: *On the Potential and Limitations of Proxy Voting: Delegation with Incomplete Votes*, w/ G. Amanatidis, A.F. Ratsikas, P. Lazos, E. Markakis.
- IJCAI’23: *Proportionality Guarantees in Elections with Interdependent Issues*, w/ M. Brill, E. Markakis, J. Peters.
- SAGT’22: *On Improved Interval Cover Mechanisms for Crowdsourcing Markets*, w/ E. Markakis, A. Tsikiris.
- IJCAI’21: *Winner Determination and Strategic Control in Conditional Approval Voting*, w/ E. Markakis.
- SAGT’21: *An Approval-Based Model for Single-Step Liquid Democracy*, w/ E. Markakis.
- IJCAI’20: *Computational Aspects of Conditional Minisum Approval Voting in Elections with Interdependent Issues*, w/ E. Markakis.

## JOURNAL PUBLICATIONS

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*under review:* *On the Potential and Limitations of Proxy Voting: Delegation with Incomplete Votes*, w/ G. Amanatidis, A.F. Ratsikas, P. Lazos, E. Markakis.

THEORETICAL COMPUTER SCIENCE: *On the Complexity of Winner Determination and Strategic Control in Conditional Approval Voting*, w/ E. Markakis.

INFORMATION PROCESSING LETTERS (SPECIAL ISSUE: ECONOMICS & COMPUTATION): *On the Tractability Landscape of Conditional Minisum Approval Voting Rule*, w/ G. Amanatidis, M. Lampis, E. Markakis

## RESEARCH ACTIVITIES

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- Survey: Annotated Reading List on Liquid Democracy at SIGecom Exchanges
- Popular Science: Article on Liquid Democracy for Delta Polish Magazine
- Competitions: Winners of the 1st Computational Social Choice Competition (IJCAI'23)
- Reviewing: IJCAI, AAAI, AAMAS, ECAI, SAGT, ADT, EUMAS, SODA, PRIMA, journal of Group Decision and Negotiation, journal of Autonomous Agents and Multi-Agent Systems, AMS Mathematical Reviews, COMSOC Workshop, Workshop on New Directions in Social Choice (EC'25), Games, Agents, and Incentives Workshop (AAMAS'25); *received award at ECAI'24*
- Local-Arrangement Committee: ACAC '20, SAGT '19
- Working-Groups: AI and Economics Group at the University of Warsaw, Theory Group of dept. of Informatics of A.U.E.B., MD4SG: Civic-Participation
- Teaching: (a) TA-ing at A.U.E.B.: Algorithms ('19-'23), Special Topics on Algorithms ('21-'22), Introduction to Programming ('19-'21), (b) "Avakas.net" Tutoring Center for Bachelor Students of N.T.U.A. and Universities of Athens, Piraeus, West Attica, Patras and Crete: Algorithms, Complexity and Computability, Discrete Mathematics, Graph Theory, Foundations of Computer Science, Mathematics, Logic, Numerical Analysis, Data Structures, Introduction to Programming.