

# Alexandros Tsigonias-Dimitriadis

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CONTACT INFORMATION	Department of Industrial Engineering, Republica 701, Santiago, Chile alexandrostsigidim@gmail.com   +56 982808-251 <a href="https://alextsigonias.github.io/">https://alextsigonias.github.io/</a>
RESEARCH INTERESTS	Market Design, Algorithmic Game Theory, Sequential Decision-Making, Online Optimization, Fairness in Resource Allocation, Data-Driven Algorithm Design, Pricing and Revenue Management
EMPLOYMENT	<b>University of Chile</b> , Santiago de Chile Aug. 2022 - July 2023 <b>Postdoctoral Researcher</b> , Department of Industrial Engineering Information and Computation in Market Design (ICMD) Group Host: Prof. José R. Correa
EDUCATION	<b>Technical University of Munich</b> , Germany Sept. 2018 - July 2022 <b>Ph.D.</b> , TUM School of Computation, Information and Technology AdONE PhD program & Operations Research Group Thesis: Lotteries, Prophets, and Pandora's Box: A New Take on Classic Problems in Mechanism Design and Online Selection Advisor: Prof. Andreas S. Schulz  <b>National Technical University of Athens</b> , Greece Oct. 2012 - June 2018 <b>Diploma</b> in Electrical and Computer Engineering (5-year joint degree) GPA: 8.88/10 (top 5%) Major in Computer Science, Minor in Mathematics & Computer Networks Thesis: Analysis of Opinion Formation Dynamics using Convex Optimization Techniques Advisor: Prof. Dimitris Fotakis  Technical University of Munich, Germany Apr. - Sept. 2016 Erasmus semester, Department of Electrical and Computer Engineering
JOURNAL ARTICLES (Authors are listed alphabetically)	<i>Robust Revenue Maximization Under Minimal Statistical Information</i> Yiannis Giannakopoulos, Diogo Poças, Alexandros Tsigonias-Dimitriadis <i>ACM Transactions on Economics and Computation (ACM TEAC)</i> , Forthcoming An extended abstract appeared in <i>WINE'20</i>
CONFERENCE PUBLICATIONS (Authors are listed alphabetically)	<i>The Secretary Problem with Independent Sampling</i> José Correa, Andrés Cristi, Laurent Feuilloley, Tim Oosterwijk, Alexandros Tsigonias-Dimitriadis <i>32nd ACM-SIAM Symposium on Discrete Algorithms (SODA'21)</i>  <i>Robust Revenue Maximization Under Minimal Statistical Information</i> Yiannis Giannakopoulos, Diogo Poças, Alexandros Tsigonias-Dimitriadis <i>16th Conference on Web and Internet Economics (WINE'20)</i>
WORKING PAPERS	<i>The Secretary Problem with Independent Sampling</i> José Correa, Andrés Cristi, Laurent Feuilloley, Tim Oosterwijk, Alexandros Tsigonias-Dimitriadis <i>Under Review after Major Revision, Management Science</i> A preliminary version appeared in <i>SODA'21</i>

*Prophet Inequalities via the Expected Competitive Ratio*

Tomer Ezra, Stefano Leonardi, Rebecca Reiffenhäuser, Matteo Russo, Alexandros Tsigonias-Dimitriadis

*Under Review*

*Preference Elicitation in Combinatorial Domains using Reinforcement Learning*

Eleni Batziou, Alexandros Tsigonias-Dimitriadis, Giorgos Bouritsas

*Working Paper*

RESEARCH VISITS	<b>Sapienza Università di Roma</b> , Italy <i>Host:</i> Prof. Stefano Leonardi	Mar. 2022
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	<b>Universidad de Chile</b> , Chile <i>Host:</i> Prof. José Correa	Nov. - Dec. 2019
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SELECTED TALKS & POSTERS	<i>Prophet Inequalities via the Expected Competitive Ratio</i> ACGO Seminar, Universidad de Chile	Aug. 2022
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	<i>The Secretary Problem with Independent Sampling</i> Workshop on Algorithms for Learning and Economics (WALE), Poster INFORMS Annual Meeting	June 2022 Oct. 2021
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	<i>Robust Revenue Maximization Under Minimal Statistical Information</i> 16th Conference on Web and Internet Economics (WINE) AdONE Research Seminar, TU Munich	Dec. 2020 Nov. 2019
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SCHOLARSHIPS & AWARDS	COST Action STSM Grant Funding from the COST Action for research visit at the Sapienza University of Rome	2022
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	<b>AdONE start-up funding</b> Funding from the German Research Foundation (DFG) for early-stage researchers	2021-22
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	<b>IGSSE PhD Scholarship</b>	2018-21
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TEACHING EXPERIENCE	Technical University of Munich, Germany <i>Teaching Assistant</i> , Special Topics in Algorithmic Game Theory <i>Co-supervisor</i> of two Master theses	Spring 2019
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	National Technical University of Athens, Greece <i>Teaching Assistant</i> , Algorithms and Complexity	Fall 2017
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	Private Tutor, Athens, Greece Mathematics and Physics for high school students	2013 - 2016
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PROFESSIONAL SERVICE	<i>Conference reviewing</i> : IPCO'23, SODA'23, SAGT'22, EC'22 <i>Organizer</i> of the AdONE (Advanced Optimization in a Networked Economy) research group retreat Volunteer, STOC 2022	2020
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COMPUTER SKILLS	Programming: Python, C, C++ Software and Tools: Gurobi, Git, $\text{\LaTeX}$ , Mathematica
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LANGUAGES	English (fluent), Greek (native), Spanish (fluent), German (advanced), French (basic)	
OTHER	Member of IEEE, NTUA Student Branch	2015-16
ACTIVITIES	Volunteer, The Smile of the Child (NGO)	2015-16
	Hobbies: Piano, Reading, Cycling	