## Charikleia (Chara) Podimata Assistant Professor of OR/Stat at MIT Sloan School of Management podimata@mit.edu

https://www.charapodimata.com

RESEARCH INTERESTS	incentive-aware ML, decision making under uncertainty, AI policy-making, online learning, mechanism design, topics at the interface of CS, Economics & ML			
EMPLOYMENT	Principal Investigator Archimedes/Athena RC Jun. 20	23 - present 23 - present 2 - Jul. 2023		
EDUCATION	Harvard University, Cambridge, MAAug. 2016Ph.D in Computer ScienceDissertation: "Incentive-Aware Machine Learning for Decision Making"Advisor: Yiling Chen	Aug. 2016 - Nov. 2022 cision Making"		
	National Technical University of Athens, Greece Sept. 2010 Diploma in Electrical Engineering and Computer Science (5-year joint d <i>GPA</i> : 9.47/10 <i>Thesis</i> : "Approximations of Liquid Welfare for Combinatorial Auctions" <i>Advisor</i> : Dimitris Fotakis	- Jan. 2016 egree)		
SELECTED HONORS & AWARDS	FODSI Postdoctoral Fellowship Siebel Scholarship MSR Dissertation Grant Selected as part of the Rising Stars in EECS in Berkeley Poster Honorary Mention 14th Annual ML Symposium (NYAS Finalist for 2020 Facebook PhD Fellowship (top 4%) Spotlight 2nd Place Prize, 13th Annual ML Symposium (NYAS Finalist of the 2019 Microsoft Research PhD Fellowship Certificate of Distinction in Teaching, Harvard University Among 5 papers shortlisted for Best Paper Award, EC18	2020		
TUTORIALS	Incentive-Aware Machine Learning: A Tale of Robustness, Fai provement, and Performativity NeurIPS 2022	Dec. 2022		
	Do we incentivize honest effort or gaming in incentive-aware le "Optimizing the Efforts of Others" workshop at STOC22 (invited) [https://www.charapodimata.com/files/presentations/STOC22-tur	Jun. 2022		
	Algorithms for Incentive-Aware Learning Full-day course in the University of Zurich summer school (invited)	Jun. 2021		
	How to Achieve Both Transparency and Accuracy in Predictive Making: an Introduction to Strategic Prediction, FAccT21	<b>e Decision</b> Mar. 2021		

	Co-taught with Benjamin Edelman and Yonadav Shavit [https://www.benjaminedelman.com/tutorial.html]		
	Incentive-Compatible and Incentive-Aware Learning, EC20 Co-taught with Nika Haghtalab [https://www.charapodimata.com/EC20-tutorial.html]	Jun. 2020	
TEACHING	<b>Instructor, MIT Sloan</b> <i>Course</i> : Data, Models, and Decisions (MIT 15.060)	Fall 2023	
	Teaching Fellow, Harvard UniversityFall 2017, Fall 20Course: Introduction to Optimization (AM121)Instructor (2017, 2018): Yiling ChenInstructor (2020): Yiling Chen & Margo Levine	018, Fall 2020	
	<b>Teaching Assistant, NTUA</b> , Greece <i>Courses</i> : Introduction to programming (PaZcal), Algorithms and Comp <i>Instructor</i> : Dimitris Fotakis	Fall 2015 plexity	
RESEARCH ADVISING	Zijie (Jerry) Zhou (co-advised with P. Jaillet)2PhD student at MIT ORC2	023 - present	
	<b>Apostolis Tsorvantzis</b> (co-advised with D. Fotakis, C. Caramanis) 2 PhD student at Archimedes AI/Athena RC	023 - present	
	Chrysa Oikonomou (co-advised with K. Sotiraki) 2 PhD student at Archimedes AI/Athena RC	023 - present	
SELECTED TALKS	The Disparate Effects of Recommending to Strategic Users Stanford RAIN Seminar (invited) Morgan Stanley ML research seminar (invited)	May 2023 Aug. 2023	
	<b>Information Discrepancy in Strategic Learning</b> TOC4Fairness Online Seminar Series ( <b>invited</b> )	Oct. 2022	
	<b>Corruption-Robust Contextual Search</b> Simons institute workshop on "Quantifying Uncertainty" ( <b>invited</b> )	Sep. 2022	
	Transparency and Accuracy in Predictive Decision Making: an Introduc- tion to Strategic Prediction		
	Quant Seminar at the U.S. Securities and Exchange Commission	Apr. 2022	
	Incentive-Aware Machine Learning for Decision-Making University of Michigan, IOE Department MIT Sloan, OR/Stat Group Cornell, ORIE Department USC Marshall, OM Group Stanford GSB, OIT Group CMU Tepper, OR Group TTIC UChicago, Data Science + CS	Jan. 2022 Jan. 2022 Jan. 2022 Jan. 2022 Jan. 2022 Feb. 2022 Feb. 2022 Feb. 2022	

	Northeastern, CS Department	Feb. 2022
	Cornell, Information Science Department	Feb. 2022
	Columbia, IEOR Department	Feb. 2022
	Yale, Stats and Data Science	Feb. 2022
	UC Berkeley, Statistics Department	Mar. 2022
	MIT EECS, $AI + D$	Mar. 2022
	US General Services Administration Data Science Seminar	May 2022
	CMU's 5th YinzOR Conference ( <b>plenary talk</b> )	Aug. 2022
	Contextual Search in the Presence of Irrational Agents	
	Cornell Young ORIE Researchers Workshop	Oct. 2021
	BU Algorithms and Theory Seminar	Oct. 2021
	NEU Theory Lunch	Nov. 2021
	Stanford Information Systems Laboratory Colloquium	Jan. 2022
	Amazon Ads	Apr. 2022
	Learning Strategy-Aware Linear Classifiers	
	Northeastern University Theory Seminar	Nov. 2019
	Learning to Bid Without Knowing your Value	
	Google NYC, Algorithms Seminar.	Jul. 2018
	Yahoo! Research NYC, Algorithms Seminar.	Jun. 2018
INTERNSHIPS	<b>Research Intern</b> , Google Research NYC	May - Aug., 2021
111 1 121(115111 <b>F</b> 5	Research Intern, Google Research NYC	Feb May, 2020
	Research Intern, Microsoft Research NYC	May - Aug., 2019
	Business Intern, Google Athens, Greece	Feb Aug. 2016
	Dusiness Intern, Google Athens, Greece	reb Aug. 2010

PUBLICATIONS (Alphabetical Author Order)

#### Journals

Contextual Search in the Presence of Adversarial Corruptions Akshay Krishnamurthy, Thodoris Lykouris, Chara Podimata, and Robert Schapire Operations Research 2022 (OR22) [https://arxiv.org/pdf/2002.11650.pdf]

#### Conferences

Corruption-Robust Contextual Search through Density UpdatesRenato Paes Leme, Chara Podimata, and Jon SchneiderIn Proc. of the 35th Annual Conference on Learning Theory[https://arxiv.org/pdf/2206.07528.pdf]

# Information Discrepancy in Strategic LearningYahav Bechavod, Chara Podimata, Zhiwei Steven Wu, and Juba ZianiIn Proc. of the 39th International Conference on Machine Learning[https://arxiv.org/pdf/2103.01028.pdf]

#### Contextual Search in the Presence of Irrational Agents

Akshay Krishnamurthy, Thodoris Lykouris, Chara Podimata, and Robert Schapire In the Proc. of the 53rd ACM Symposium on Theory of Computing (STOC21) Operations Research 2022 [https://arxiv.org/pdf/2002.11650.pdf]

#### Adaptive Discretization for Adversarial Lipschitz Bandits

Chara Podimata and Aleksandrs Slivkins In the Proc. of the 34th Annual Conference on Learning Theory (COLT21) [https://arxiv.org/pdf/2006.12367.pdf]

#### Learning Strategy-Aware Linear Classifiers

Yiling Chen, Yang Liu, and Chara Podimata In Proc. of the 34th Conf. on Neural Information Processing Systems (NeurIPS20) [https://arxiv.org/pdf/1911.04004.pdf]

#### No-Regret and Incentive-Compatible Online Learning

Rupert Freeman, David Pennock, Chara Podimata, and Jennifer Wortman Vaughan In Proc. of the 37th International Conference on Machine Learning (ICML20) Poster Presentation Honorary Mention 14th Annual ML Symposium (NYAS). [https://arxiv.org/pdf/2002.08837.pdf]

Strategyproof Linear Regression in High Dimensions: An Overview Yiling Chen, Chara Podimata, Ariel D. Procaccia, and Nisarg Shah ACM SIGEcom Exchanges (Research Letter) Invited [https://www.sigecom.org/exchanges/volume\_17/1/CHEN.pdf]

### A Bridge between Liquid and Social Welfare in Combinatorial Auctions with Submodular Bidders

Dimitris Fotakis, Kyriakos Lotidis, and Chara Podimata In Proc. of the 33rd AAAI Conference on Artificial Intelligence (AAAI19) [https://arxiv.org/pdf/1809.01803v1.pdf]

#### Learning to Bid Without Knowing your Value

Zhe Feng, Chara Podimata, and Vasilis Syrgkanis In Proc. of the 19th ACM Conference on Economics and Computation (EC18) Spotlight award 2nd place prize at the 13th Annual ML Symposium (NYAS). [https://arxiv.org/abs/1711.01333]

#### Strategyproof Linear Regression in High Dimensions

Yiling Chen, Chara Podimata, Ariel D. Procaccia, and Nisarg Shah In Proc. of the 19th ACM Conference on Economics and Computation (EC18) Among the 5 shortlisted papers for the Best Paper Award [https://arxiv.org/pdf/1805.10693.pdf]

#### Preprints

Strategyproof Decision-Making in Panel Data Settings and Beyond Keegan Harris, Anish Agarwal, Chara Podimata, and Steven Zhiwei Wu [http://arxiv.org/abs/2211.14236]

#### **Recommending to Strategic Users**

Andreas Haupt, Chara Podimata, and Dylan Hadfield-Menell [https://arxiv.org/pdf/2302.06559.pdf]

#### Calibrated Stackelberg Games: Learning Optimal Commitments Against Calibrated Agents

Nika Haghtalab, Chara Podimata, and Kunhe Yang [https://arxiv.org/pdf/2306.02704.pdf]

#### Strategic Apple Tasting

Keegan Harris, Chara Podimata, and Steven Zhiwei Wu [https://arxiv.org/pdf/2306.06250.pdf]

#### Bandits with Deterministically Evolving States

Khashayar Khosravi, Renato Paes Leme, Chara Podimata, and Apostolis Tsorvantzis [https://arxiv.org/pdf/2307.11655.pdf]

#### PROFESSIONAL Area Chair: NeurIPS2023 SERVICE

**PC Member:** WINE2023, COLT 2020-2023, FORC23, EAAMO22-23, NeurIPS2022, ICML2022-2023, FAccT2022, WINE 2021, ICML2021 (Best Reviewers Award), NeurIPS 2020-2021 (Best Reviewers Award), IJCAI 2020, Emerging Track on AI for Social Impact (AAAI-20, AAAI-21)

**Journal Refereeing:** Journal of American Statistical Association (JASA), Management Science (MS), Operations Research (OR), Review of Economics and Statistics, Artificial Intelligence Journal (AIJ), Transactions of Machine Learning Research (TMLR), Journal of Machine Learning Research (JMLR), IEEE Transactions on Control of Network Systems (TCNS), Theoretical Computer Science (TCS), Theory of Computing Systems (ToCS)

COMMUNITY	EC Mentoring Workshop, Presenter for "How-To" talk	EC23		
SERVICE	LeT-All, Volunteer Panelist	Oct. 2022		
	EC Mentoring Workshop, Volunteer Panelist	EC 2022		
	LeT-All, Volunteer Teaching Assistant	ALT 2022		
	TA at Nicole Immorlica's session on Peer Review			
	Google Serve, Athens, Greece, Volunteer	June 2016		
	<i>Project</i> : Building a playground for refugee kids in the refugee camp (Elaionas, Greece)			
	Organizing 1st Girls Day event at Google, Greece	Mar. 2016		
	As part of my participation at Women@Google			
	Instructor at Code it Like a Girl, Athens, Greece M	ay 2015 - Sep. 2016		
	Code it Like a Girl is a volunteering start-up teaching coding to	ing coding to women of all ages.		
	Free tutoring for children of impoverished families, Athens, Greece 2012-201			