

## Vasileios (Vasilis) Syrgkanis, Assistant Professor, Stanford University

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CONTACT INFORMATION	Huang Engineering Center Office 252 475 Via Ortega Stanford, CA 94305	Telephone: 607-280-8704 E-mail: <a href="mailto:vsyrgk@stanford.edu">vsyrgk@stanford.edu</a> Web: <a href="http://vsyrgkanis.com">vsyrgkanis.com</a>
RESEARCH INTERESTS	My research lies in the areas of machine learning, causal inference, econometrics, game theory, mechanism design, algorithms and complexity. I am interested in applications in operations management, healthcare, social sciences and digital platforms.	
PRIMARY EMPLOYMENT	<b>Assistant Professor</b> Management Science and Engineering <b>Stanford University</b>	<b>September 2022 -</b>
	<b>Principal Researcher</b> Co-lead team on Automated Learning and Intelligence for Causation and Economics <b>Microsoft Research, New England</b>	<b>August 2019 - August 2022</b>
	<b>Researcher</b> <b>Microsoft Research, New England</b>	<b>June 2016 - August 2019</b>
	<b>Postdoctoral Researcher</b> <b>Microsoft Research, NYC</b>	<b>August 2014 - June 2016</b>
EDUCATION	<b>PhD in Computer Science</b> <b>Cornell University</b> , Department of Computer Science - <i>Thesis</i> : Efficiency of Mechanisms in Complex Markets - <i>Advisor</i> : Prof. Eva Tardos - <i>Thesis Committee</i> : Éva Tardos, Larry Blume, Robert Kleinberg, Emin Gun Sirer	<b>August 2009 - August 2014</b>
	<b>Diploma in Engineering</b> <b>National Technical University of Athens, Greece</b> School of Electrical and Computer Engineering - <i>Major</i> : Computer Science and Computer Engineering - <i>Minor</i> : Control Theory and Networks - <i>Thesis</i> : Equilibria in Congestion Game Models: Existence, Complexity and Efficiency - <i>Thesis Committee</i> : Stathis Zachos, Aris Pagourtzis, Dimitris Fotakis - <i>GPA</i> : <b>9.66/10, 10/10</b> (major GPA) ( <b>top 1%</b> )	<b>September 2004 to July 2009</b>
HONORS AND AWARDS	<b>Best paper award</b> , ACM Conference on Learning Theory, <b>COLT 2019</b> <b>Best spotlight talk award</b> , 10th Annual Machine Learning Symposium, New York Academy of Sciences, <b>2016</b> <b>Best paper award</b> , 29th Conference on Neural Inf. Proc. Systems, <b>NeurIPS 2015</b> <b>Best paper award</b> , 16th ACM Conference on Economics and Computation, <b>EC 2015</b> <b>Simons Foundation Fellowship</b> , <b>2012-2014</b> <b>Facebook Fellowship Finalist</b> , <b>2012</b> <b>Sarafi's Award</b> for ranking 1st in the 4th year of studies <b>2007-2008</b> <b>Award by the Greek State Scholarship Foundation</b> for ranking <b>1st</b> among 500 students of my department during the 4th year of my studies <b>2007-2008</b> <b>"Papakyriakopoulos" Award</b> for excellence in Mathematics among the Electrical and Computer Engineering students, <b>2005-2006</b>	
PUBLICATIONS	69. Qizhao Chen, Vasilis Syrgkanis, Morgane Austern <i>Debiased Machine Learning without Sample-Splitting for Stable Estimators</i>	

- 36th Annual Conference on Neural Information Processing Systems, **NeurIPS22, December 2022**
68. Dhruv Rohatgi, Vasilis Syrgkanis  
*Robust Generalized Method of Moments: A Finite Sample Viewpoint*  
 36th Annual Conference on Neural Information Processing Systems, **NeurIPS22, December 2022**
  67. Vahid Balazadeh Meresht, Vasilis Syrgkanis, Rahul G Krishnan  
*Partial Identification of Treatment Effects with Implicit Generative Models*  
 36th Annual Conference on Neural Information Processing Systems, **NeurIPS22, December 2022**  
**Spotlight Presentation**
  66. V. Chernozhukov, W. K. Newey, V. Quintas-Martinez, V. Syrgkanis  
*RieszNet and ForestRiesz: Automatic Debiased Machine Learning with Neural Nets and Random Forests*  
 39th International Conference on Machine Learning, **ICML, July 2022**  
**Long Oral Presentation**
  65. Khashayar Khosravi, Greg Lewis, Vasilis Syrgkanis  
*Non-Parametric Inference Adaptive to Intrinsic Dimension*  
 1st Conference on Causal Learning and Reasoning, **CLearR, April 2022**
  64. Jann Spiess, Vasilis Syrgkanis  
*Evidence-Based Policy Learning*  
 1st Conference on Causal Learning and Reasoning, **CLearR, April 2022**
  63. Kartik Ahuja, Divyat Mahajan, Ioannis Mitliagkas, Vasilis Syrgkanis  
*Towards efficient representation identification in supervised learning*  
 1st Conference on Causal Learning and Reasoning, **CLearR, April 2022**
  62. Denis Nekipelov, Vira Semenova, Vasilis Syrgkanis  
*Regularized Orthogonal Machine Learning for Nonlinear Semiparametric Models*  
**The Econometrics Journal, January 2022**
  61. Morgane Austern, Vasilis Syrgkanis  
*Asymptotics of the Bootstrap via Stability with Applications to Inference with Model Selection*  
 35th Annual Conference on Neural Information Processing Systems, **NeurIPS21, December 2021**
  60. K. Battocchi, E. Dillon, M. Hei, G. Lewis, M. Oprescu, V. Syrgkanis  
*Estimating the Long-Term Effects of Novel Treatments*  
 35th Annual Conference on Neural Information Processing Systems, **NeurIPS21, December 2021**
  59. Greg Lewis, Vasilis Syrgkanis  
*Double/Debiased Machine Learning for Dynamic Treatment Effects via g-Estimation*  
 35th Annual Conference on Neural Information Processing Systems, **NeurIPS21, December 2021**
  58. Sheffer et al.  
*Genome-scale screens identify factors regulating tumor cell responses to natural killer cells*  
**Nature Genetics, July 2021**

57. Daniel Ngo, Logan Stapleton, Vasilis Syrgkanis, Zhiwei Steven Wu  
*Incentivizing Compliance with Algorithmic Instruments*  
 38th International Conference on Machine Learning, **ICML, July 2021**
56. Amit Sharma, Vasilis Syrgkanis, Cheng Zhang, Emre Kiciman  
*DoWhy: Addressing Challenges in Expressing and Validating Causal Assumptions*  
 ICML 2021 Workshop on the Neglected Assumptions in Causal Inference, July 2021
55. Annie Liang, Xiaosheng Mu, Vasilis Syrgkanis  
*Dynamically Aggregating Diverse Information*  
 22nd ACM Conference on Economics and Computation, **EC, July 2021**  
**Full version at *Econometrica*, January 2022**
54. Tri Dao, Govinda Kamath, Vasilis Syrgkanis, Lester Mackey  
*Knowledge Distillation as Semi-Parametric Inference*  
 International Conference on Learning Representations, **ICLR, May 2021**
53. Gali Noti, Vasilis Syrgkanis  
*Bid Prediction in Repeated Auctions with Learning*  
 The Web Conference, **WWW, April 2021**
52. Nishanth Dikkala, Greg Lewis, Lester Mackey, Vasilis Syrgkanis  
*Minimax Estimation of Conditional Moment Models*  
 34th Annual Conference on Neural Information Processing Systems, **NeurIPS20, December 2020**  
*Preliminary version appeared as: Adversarial Generalized Method of Moments*
51. Vasilis Syrgkanis, Manolis Zampetakis  
*Estimation and Inference with Trees and Forests in High Dimensions*  
 32nd Annual Conference on Learning Theory **COLT, July 2020**
50. Constantinos Daskalakis, Maxwell Fishelson, Brendan Lucier, Vasilis Syrgkanis, Santhoshini Velusamy  
*Simple, Credible, and Approximately-Optimal Auctions*  
 21st ACM Conference on Economics and Computation, **EC, July 2020**  
**Full version accepted at Siam Journal on Computing, SICOMP, 2022**
49. Dylan Foster, Vasilis Syrgkanis  
*Orthogonal Statistical Learning (Statistical Learning with a Nuisance Component)*  
 31st Annual Conference on Learning Theory **COLT, June 2019**  
**Best Paper Award**  
**Full version Revise and Resubmit at the *Annals of Statistics***
48. Victor Chernozhukov, Mert Demirer, Greg Lewis, Vasilis Syrgkanis  
*Semi-Parametric Efficient Policy Learning with Continuous Actions*  
 33rd Annual Conference on Neural Information Processing Systems, **NeurIPS19, December 2019**
47. Jonas Mueller, Vasilis Syrgkanis, Matt Taddy  
*Low-rank Bandit Methods for High-dimensional Dynamic Pricing*  
 33rd Annual Conference on Neural Information Processing Systems, **NeurIPS19, December 2019**
46. V. Syrgkanis, V. Lei, M. Oprescu, M. Hei, K. Battocchi, G. Lewis  
*Machine Learning Estimation of Heterogeneous Treatment Effects with Instruments*  
 33rd Annual Conference on Neural Information Processing Systems, **NeurIPS19,**

**December 2019**  
**Spotlight Presentation**  
**Full version invited to *Management Science***

45. Miruna Oprescu, Vasilis Syrgkanis, Zhiwei Steven Wu  
*Orthogonal Random Forest for Heterogeneous Treatment Effect Estimation*  
 36th International Conference on Machine Learning, **ICML, June 2019**
44. Mark DM Leiserson, Vasilis Syrgkanis, Amy Gilson, Miroslav Dudik, Samuel Funt, Alexandra Snyder, Lester Mackey  
*A Multifactorial Model of T Cell Expansion and Durable Clinical Benefit in Response to a PD-L1 Inhibitor*  
**PLOS ONE, December 2018**
43. Akshay Krishnamurthy, Zhiwei Steven Wu, Vasilis Syrgkanis  
*Semiparametric Contextual Bandits*  
 35th International Conference on Machine Learning, **ICML, July 2018**
42. Lester Mackey, Vasilis Syrgkanis, Ilias Zadik  
*Second-order Orthogonality for Causal Inference in High Dimensions*  
 35th International Conference on Machine Learning, **ICML, July 2018**
41. Yash Deshpande, Lester Mackey, Vasilis Syrgkanis, Matt Taddy  
*Accurate Inference for Adaptive Linear Models*  
 35th International Conference on Machine Learning, **ICML, July 2018**
40. Annie Liang, Xiaoseng Mu, Vasilis Syrgkanis  
*Optimal and Myopic Information Acquisition*  
 19th ACM Conference on Economics and Computation, **EC, June 2018**
39. Yiling Chen, Nicole Immorlica, Brendan Lucier, Vasilis Syrgkanis, Juba Ziani  
*Optimal Data Acquisition for Statistical Estimation*  
 19th ACM Conference on Economics and Computation, **EC, June 2018**
38. Zhe Feng, Chara Podimata, Vasilis Syrgkanis  
*Learning to Bid Without Knowing your Value*  
 19th ACM Conference on Economics and Computation, **EC, June 2018**
37. Nicole Immorlica, Brendan Lucier, Jieming Mao, Vasilis Syrgkanis, Christos Tzamos  
*Combinatorial Assortment Optimization*  
 14th Conference on Web and Internet Economics, **WINE, December 2018**
36. Amy Greenwald, Takehiro Oyakawa, Vasilis Syrgkanis  
*Simple vs Optimal Contests with Convex Costs*  
 The Web Conference, **WWW, April 2018**
35. Cosnstantinos Daskalakis, Andrew Ilyas, Vasilis Syrgkanis, Haoyang Zeng  
*Training GANs with Optimism*  
 International Conference on Learning Representations, **ICLR, April 2018**
34. Nikhil Devanur, Balasubramanian Sivan, Vasilis Syrgkanis  
*Truthful Multi-parameter Auctions with Online Supply: an Impossible Combination*  
 28th ACM-SIAM Symposium on Discrete Algorithms, **SODA, January 2018**
33. Robert Chen, Brendan Lucier, Yaron Singer, Vasilis Syrgkanis  
*Robust Optimization with Non-Convex Objectives*  
 31st Annual Conference on Neural Information Processing Systems, **NeurIPS17, December 2017**  
**Oral Presentation**

32. Vasilis Syrgkanis  
*A Sample Complexity Measure with Applications to Learning Optimal Auctions*  
 31st Annual Conference on Neural Information Processing Systems, **NeurIPS17**,  
**December 2017**
31. Darrell Hoy, Denis Nekipelov, Vasilis Syrgkanis  
*Welfare Guarantees from Data*  
 31st Annual Conference on Neural Information Processing Systems, **NeurIPS17**,  
**December 2017**
30. Miro Dudik, Nika Haghtalab, Robert E. Schapire, Vasilis Syrgkanis, Jennifer Wortman Vaughan  
*Oracle Efficient Learning and Auction Design*  
 58th Annual IEEE Symposium on Foundations of Computer Science, **FOCS**, **October 2017**  
**Full version at the *Journal of the ACM*, October 2020**
29. Constantinos Daskalakis, Vasilis Syrgkanis  
*Learning in Auctions: Regret is Hard, Envy is Easy*  
 57th Annual IEEE Symposium on Foundations of Computer Science, **FOCS**, **October 2016**  
**Full version Revise and Resubmit at the *Games and Economic Behavior***
28. Vasilis Syrgkanis, Haipeng Luo, Akshay Krishnamurthy, Robert E. Schapire  
*Improved Regret Bounds for Oracle-Based Adversarial Contextual Learning*  
 30th Annual Conference on Neural Information Processing Systems, **NeurIPS16**,  
**December 2016**
27. Yishay Mansour, Aleksandrs Slivkins, Vasilis Syrgkanis, Steven Wu  
*Bayesian Exploration: Incentivizing Exploration in Bayesian Games*  
 17th ACM Conference on Economics and Computation, **EC**, **July 2016**  
**Full version in *Operations Research*, December 2021**
26. Vasilis Syrgkanis, Akshay Krishnamurthy, Robert E. Schapire  
*Efficient Algorithms for Adversarial Contextual Learning*  
 33rd International Conference on Machine Learning, **ICML**, **June 2016**  
 Preliminary version at 10th Annual Machine Learning Symposium, New York Academy of Sciences, March 2016, **Best spotlight talk award**
25. David M. Pennock, Vasilis Syrgkanis, Jennifer Wortman Vaughan  
*Bounded Rationality in Wagering Mechanisms*  
 2016 Conference on Uncertainty in Artificial Intelligence, **UAI**, **June 2016**
24. Michal Feldman, Nicole Immorlica, Brendan Lucier, Tim Roughgarden, Vasilis Syrgkanis  
*The Price of Anarchy in Large Games*  
 48th ACM Symposium on Theory of Computing, **STOC**, **June 2016**
23. Thodoris Lykouris, Vasilis Syrgkanis, Éva Tardos  
*Learning and Efficiency in Games with Dynamic Population*  
 26th ACM-SIAM Symposium on Discrete Algorithms, **SODA**, **January 2016**
22. Vasilis Syrgkanis, Alekh Agarwal, Haipeng Luo, Robert E. Schapire  
*Fast Convergence of Regularized Learning in Games*  
 29th Annual Conference on Neural Information Processing Systems, **NeurIPS15**,  
**December 2015**  
**Best paper award**

21. Jason Hartline, Vasilis Syrgkanis, Éva Tardos  
*No-Regret Learning in Bayesian Games*  
 29th Annual Conference on Neural Information Processing Systems, **NeurIPS15, December 2015**
20. Denis Nekipelov, Vasilis Syrgkanis, Éva Tardos  
*Econometrics for Learning Agents*  
 16th ACM Conference on Economics and Computation, **EC, June 2015**  
**Best paper award**
19. Vasilis Syrgkanis, David Kempe, Éva Tardos  
*Information Asymmetries in Common Value Auctions with Discrete Signals*  
 16th ACM Conference on Economics and Computation, **EC, June 2015**  
**Full version accepted at *Mathematics of Operations Research*, July 2019**
18. Nikhil Devanur, Jamie Morgenstern, Vasilis Syrgkanis, Matt Weinberg  
*Simple Auctions with Simple Strategies*  
 16th ACM Conference on Economics and Computation, **EC, June 2015**
17. Brendan Lucier, Vasilis Syrgkanis  
*Greedy Algorithms make Efficient Mechanisms*  
 16th ACM Conference on Economics and Computation, **EC, June 2015**
16. Yishay Mansour, Alex Slivkins, Vasilis Syrgkanis  
*Bayesian Incentive-Compatible Bandit Exploration*  
 16th ACM Conference on Economics and Computation, **EC, June 2015**  
**Full version accepted at *Operations Research*, July 2020**
15. Nicole Immorlica, Greg Stoddard, Vasilis Syrgkanis  
*Social Status and Badge Design*  
 25th World Wide Web Conference, **WWW, May 2015**  
 Preliminary versions at the NBER Market Design Working Group Meeting 2013, NeurIPS'13 Workshop on Crowdsourcing, EC'14 Workshop on Social Computing and User Generated Content
14. Michal Feldman, Uriel Feige, Nicole Immorlica, Rani Izsak, Brendan Lucier, Vasilis Syrgkanis  
*A Unifying Hierarchy of Valuations with Complements and Substitutes*  
 29th AAAI Conference on Artificial Intelligence, **AAAI, January 2015**
13. Yoram Bachrach, Vasilis Syrgkanis, Éva Tardos, Milan Vojnović  
*Strong Price of Anarchy, Utility Games and Coalitional Dynamics*  
 7th International Symposium on Algorithmic Game Theory, **SAGT, September 2014**
12. Vasilis Syrgkanis, Eva Tardos  
*Composable and Efficient Mechanisms*  
 45th ACM Symposium on the Theory of Computing, **STOC, June 2013**
11. Hu Fu, Brendan Lucier, Balasubramanian Sivan, Vasilis Syrgkanis  
*Cost-Recovering Bayesian Algorithmic Mechanism Design*  
 14th ACM Conference on Electronic Commerce, **EC, June 2013**
10. Balasubramanian Sivan, Vasilis Syrgkanis  
*Vickrey Auctions for Irregular Distributions*  
 9th Conference on Web and Internet Economics, **WINE, December 2013**

9. Michal Feldman, Brendan Lucier, Vasilis Syrgkanis  
*Limits of Efficiency in Sequential Auctions*  
9th Conference on Web and Internet Economics, **WINE**, December 2013
8. Brendan Lucier, Yaron Singer, Vasilis Syrgkanis, Éva Tardos  
*Equilibrium in Combinatorial Public Projects*  
9th Conference on Web and Internet Economics, **WINE**, December 2013
7. Yoram Bachrach, Vasilis Syrgkanis, Milan Vojnović  
*Incentives and Efficiency in Uncertain Collaborative Environments*  
9th Conference on Web and Internet Economics, **WINE**, December 2013
6. Vasilis Syrgkanis  
*Bayesian Games and the Smoothness Framework*  
arXiv:1203.5155 March 2012
5. Vasilis Syrgkanis, Éva Tardos  
*Bayesian Sequential Auctions*  
13th ACM Conference on Electronic Commerce, **EC**, June 2012
4. Renato Paes Leme, Vasilis Syrgkanis, Éva Tardos  
*Sequential Auctions and Externalities*  
23rd ACM Symposium on Discrete Algorithms, **SODA**, January 2012
3. Renato Paes Leme, Vasilis Syrgkanis, Éva Tardos  
*The Curse of Simultaneity*  
3rd ACM Conf. on Innovations in Theoretical Computer Science, **ITCS**, January 2012
2. Balasubramanian Sivan, Vasilis Syrgkanis, Omer Tamuz  
*Lower Bounds on Revenue of Approximately Optimal Auctions*  
8th Workshop on Internet & Network Economics, **WINE**, December 2012
1. Vasilis Syrgkanis  
*The Complexity of Equilibria in Cost Sharing Games*  
Sixth Workshop on Internet & Network Economics, **WINE**, December 2010

#### WORKING PAPERS

7. Victor Chernozhukov, Whitney Newey, Rahul Singh, Vasilis Syrgkanis  
*Automatic Debiased Machine Learning for Dynamic Treatment Effects*  
In preparation
6. Victor Chernozhukov, Ivan Fernandez-Val, Vasilis Syrgkanis  
*Local Average Causal Effects with Continuous Treatment and Instrument*  
In preparation
5. Anish Agarwal, Vasilis Syrgkanis  
*Causal Off-Policy Reinforcement Learning: A Latent Factor Approach*  
In preparation
4. V. Chernozhukov, C. Cinelli, W. Newey, A. Sharma, V. Syrgkanis  
*Long Story Short: Omitted Variable Bias in Machine Learned Causal Models*  
Preprint available on Arxiv, December 2021
3. V. Chernozhukov, W. K. Newey, V. Quintas-Martinez, V. Syrgkanis  
*Automatic Debiased Machine Learning via Neural Nets for Generalized Linear Regression*  
Preprint available on Arxiv, April 2021

2. Victor Chernozhukov, Whitney Newey, Rahul Singh, Vasilis Syrgkanis  
*Adversarial Estimation of Riesz Representers*  
Preprint available on Arxiv, December 2020
1. Vasilis Syrgkanis, Elie Tamer, Juba Ziani  
*Inference on Auctions with Weak Assumptions on Information*  
Preprint available on Arxiv, May 2021

#### SURVEYS AND BOOKS

4. Victor Chernozhukov, Christian Hansen, Nathan Kallus, Martin Spindler, Vasilis Syrgkanis  
*Applied Causal Inference Powered by ML and AI*  
Forthcoming 2023
3. Tim Roughgarden, Vasilis Syrgkanis, Éva Tardos  
*Price of Anarchy in Auctions*  
Journal of Artificial Intelligence Research, May 2017
2. Vasilis Syrgkanis  
*Algorithmic Game Theory and Econometrics*  
SIGecom Exchanges, June 2015
1. Renato Paes Leme, Vasilis Syrgkanis, Éva Tardos  
*The Dining Bidder Problem: a la russe et a la francaise*  
SIGecom Exchanges, December 2012

#### TUTORIALS

*Econometrics and Machine Learning*, Invited short course at Greek Stochastics Summer Workshop 2022, Corfu, Greece

*Causal Inference and Machine Learning in Practice with EconML and CausalML: Industrial Use Cases at Microsoft, TripAdvisor, Uber*, Tutorial at Conference on Knowledge Discovery and Data Mining, KDD 2021

*Causal Inference and Machine Learning*, Workshop on Algorithms, Learning and Economics, July 2019

*Game Theoretic Challenges and Opportunities in Deep Learning*, 19th ACM Conference on Economics and Computation (EC 2019), Phoenix, July 2019 (with Yaron Singer)

*Algorithmic Game Theory and Data Science*, 16th ACM Conference on Economics and Computation (EC 2016), Maastricht, July 2016 (with Jamie Morgenstern)

*Price of Anarchy in Auctions*, 9th Conference on Web and Internet Economics (WINE), Harvard University, December 2013 (with Jason Hartline)

#### SELECTED INVITED PRESENTATIONS

- Online Causal Inference Seminar, September 2022
- U. Chicago, The Griffin Applied Economics Incubator Conference on Machine Learning Across Disciplines: New Theoretical Developments, June 2022
- First Conference on Interactive Causal Inference, June 2022
- RCEA Big Data and Machine Learning Conference, May 2022
- U. of Michigan Econometrics Seminar, April 2022
- Panel on *Machine Learning in Social Systems: Challenges and Opportunities from Program Evaluation* (with Jennifer Hill and Guido Imbens), NeurIPS 2021 Workshop on Econometrics meets Machine Learning, Dec. 2021
- Netflix Research Seminar (Algorithm + Data Science Engineering), November 2021



- Online Seminars on Mathematical Foundations of Data Science, November 2021
- Google X Seminar, August 2021
- Montreal Machine Learning and Optimization (MTL MLOpt) Seminar, May 2021
- Cornell AI Seminar, May 2021
- World Congress of the Econometric Society, *Panel on AI/ML for Empirical Research in Economics* (with Esther Duflo and Guido Imbens), August 2020
- AEA meetings, KAEA session on Machine Learning and Its Applications to Econometrics, January 2020
- Boston University Econometrics seminar, November 2019
- Symposium on Algorithmic Game Theory invited talk, October 2019
- Workshop on Machine Learning and User Decision Making, May 2019
- MIT/Harvard Econometrics seminar, April 2019
- Harvard EconCS seminar, March 2019
- UT Austin, Econometrics/IO seminar, March 2019
- AEA meetings, session on Machine Learning and Shrinkage Estimation, January 2019
- Columbia University, DRO seminar series, November 2018
- 17th Conference on Research on Economic Theory and Econometrics, July 2018
- UCL Machine Learning and Econometrics Workshop, June 2018
- STOC 2017, Semi-Plenary talk, June 2017
- Simons Symposium on New Directions in Approximation Algorithms, April 2017
- MIT EECS, Theory Colloquium, February 2017
- Cornell CS, three lecture mini-series, January 2017
- Columbia University, Economic Theory seminar, November 2016
- UIUC, CS Colloquium, March 2016
- Duke University, CS Colloquium, March 2016
- Northwestern University, CS Colloquium, March 2016
- Caltech CMS, Frontiers Workshop, March 2016
- UMass Amherst, CS Colloquium, March 2016
- Google Research, NYC, March 2016
- Columbia University, CS Colloquium, February 2016
- MIT, EECS/IDSS Special Seminar, February 2016
- Microsoft Research, New England, Colloquium, February 2016
- EPFL, IC Colloquium, February 2016
- Institute of Science and Technology (IST) Austria, CS Colloquium, January 2016
- CS Theory Seminar, Stanford, October 2016
- Economics Seminar, Stanford Graduate School of Business, October 2016
- Caltech, Workshop on Information and Social Economics, August 2016
- Simons Center Seminar on “Simplicity and Complexity in Economics”, October 2015
- Google Theory Seminar, September 2015
- MSR Economics Seminar, August 2015
- University of Pennsylvania, CS Theory Seminar, May 2015
- University of Washington, CS Theory Seminar, March 2015
- MSR Redmond, Theory lunch, March 2015
- Northwestern University, CS Colloquium, April 2014
- MSR Redmond, Theory group, March 2014
- MSR NYC, February 2014
- NBER Market Design Working Group, October 2013
- Harvard University, EconCS Seminar, September 2013
- MSR New England, Game Theory and Computation Seminar, August 2013
- Dagstuhl Seminar on the Interface of Computation, Game Theory, and Economics, April 2013
- Northwestern University, Theory Seminar, December 2012

#### MENTORING

Research Interns:

- Matthew O’Keefe (2021) (co-mentored with Markus Mobius and Brendan Lucier)
- Dhruv Rohatgi (2021)
- Anish Agarwal (2021)
- Rahul Singh (2020)
- Gali Noti (2019)
- Michael Celentano (2019) (co-mentored with Greg Lewis)
- Emmanouil Zampetakis (2019)
- Dylan Foster (2018)
- Mert Demirer (2018) (co-mentored with Greg Lewis)
- Nishanth Dikkala (2018) (co-mentored with Greg Lewis and Lester Mackey)
- Khashayar Khosravi (2018) (co-mentored with Greg Lewis)
- Gautam Kamath (2017) (co-mentored with Brendan Lucier and Nicole Immerlica)
- Jieming Mao (2017) (co-mentored with Brendan Lucier and Nicole Immerlica)
- Juba Ziani (2017) (co-mentored with Brendan Lucier and Nicole Immerlica)
- Jonas Mueller (2017) (co-mentored with Matt Taddy)
- Yichen Wang (2017)

#### TEACHING

**Spring 2021:** Algorithmic Game Theory and Data Science, co-instructor and co-developer of graduate MIT EECS course, with Constantinos Daskalakis  
**Spring 2019:** Algorithmic Game Theory and Data Science, co-instructor and co-developer of graduate MIT EECS course, with Constantinos Daskalakis  
**Spring 2017:** Algorithmic Game Theory and Data Science, co-instructor and co-developer of graduate MIT EECS course, with Constantinos Daskalakis  
**June 2015:** MSR NYC summer school in *Data Science*  
**Spring 2012:** TA of Prof. Éva Tardos in *Algorithmic Game Theory*  
**Spring 2010:** TA of Prof. John Hopcroft in *Mathematical Foundations for the Information Age*  
**Fall 2009:** TA of Prof. Dexter Kozen in *Data Structures and Functional Programming*  
**Fall 2008:** TA of NTUA Prof. Stathis Zachos in *Algorithms and Complexity and Introduction to Programming*

#### PROFESSIONAL SERVICE

**Associate Editor:** Econometrica (2022-2025)  
**Senior Program Committee/Area Chair:** ACM EC 2017, ICLR 2020, ACM EC 2020, NeurIPS 2020, COLT 2020, ICLR 2021, NeurIPS 2021, ACM EC 2021, UAI 2021, COLT 2021, AAAI 2021, UAI 2022, ICALP 2022, NeurIPS 2022, ICLR 2022  
**Program Committee:** ACM EC 2013, AdAuctions 2014, ACM EC 2015, IJCAI 2015, WINE 2015, AdAuctions 2015, AAAI 2015 workshop on AI For Cities, ICML 2016, ACM EC 2016, NeurIPS 2016, EC 2016 Workshop on Algorithmic Game Theory and Data Science, AdAuctions 2016, WINE 2016, HCOMP 2016, SAGT 2017, NeurIPS 2017, ALT 2018, ICLR 2018, ICLR 2019, ALT 2019, COLT 2019, WINE 2020, COLT 2022  
**Journal Reviewer:** Journal of the ACM, SIAM Journal on Computing, ACM Transactions on Economics and Computation, Econometrica

#### ACTIVITIES

**2021:** Organizing committee chair of Simons Semester on Learning and Games, Spring 2022  
**2021:** Organizing committee of Simons Semester on Causality, Spring 2022  
**2021:** Organizing committee of Causal ML track at Microsoft Research Summit 2021  
**2019-Present:** Lead designer and core contributor to open source library EconML for the estimation of heterogeneous treatment effects with Machine Learning  
**2018:** Organizing committee of NeurIPS 2018 Smooth Games Optimization and Machine Learning Workshop  
**2017:** Organizing committee of 3rd Cambridge Area Economics and Computation Day  
**2017:** Organizing committee of NeurIPS17 Workshop on Learning in the Presence of Strategic Behavior

**2017:** Organizing committee of 3rd Workshop on Algorithmic Game Theory and Data Science, EC 2017

**2016:** Organizing committee of 2nd Workshop on Algorithmic Game Theory and Data Science, EC 2016

**December 2008 - July 2009: Chair** of the IEEE NTUA Student Branch

**2008:** Member of the Organizing Committee of the 2nd Panhellenic Conference of ECE Students (attended by more than 1200 students from all ECE departments of Greece)

#### REFERENCES

Éva Tardos  
Professor  
Computer Science  
Cornell University  
[eva@cs.cornell.edu](mailto:eva@cs.cornell.edu)

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