

Samuel Taggart

- CONTACT INFORMATION Department of Computer Science
Oberlin College
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10 N Professor St, Oberlin OH 44074 <http://www.samueltaggart.com>
- APPOINTMENTS Assistant Professor, Oberlin College, August 2017 - present
Courses: Algorithms (280), Advanced Algorithms (365), Economics and Computation (385), Lab Instructor: Introduction to Computer Science (150), Theory of Computation (383)
- Visiting Instructor, Northeastern University, August 2014 - December 2014
Courses: Algorithms (5800)
- EDUCATION **Northwestern University**, Evanston, Illinois
Ph.D., Electrical Engineering and Computer Science, August 2017
 - Advisor: Jason Hartline
 - Area of Study: Theory of Computer Science**Oberlin College and Conservatory**, Oberlin, Ohio
B.A., Mathematics, May 2012
B.M., Violin Performance, May 2012
- WORKING PAPERS A. Khodabakhsh, Y. Liu, M. Pountourakis, S. Taggart, Y. Zhang, Algorithmic Delegation
Y. Cui, R. Cummings, E. Goss, S. Taggart, Returns on Privacy: Phase Transitions in Repeated Sales
C. Wilkens, R. Cavallo, R. Niazadeh, S. Taggart, Mechanism Design for Value Maximizers
- PUBLICATIONS J. Abernethy, R. Cummings, B. Kumar, J. Morgenstern, and S. Taggart, Learning Auctions with Robust Incentive Guarantees, *32nd International Conference on Neural Information Processing Systems (NeurIPS)*, Vancouver, Canada, December 2019
J. Hartline, S. Taggart, Sample Complexity for Non-Truthful Mechanisms, *20th Annual ACM Conference on Economics and Computation (EC)*, Phoenix, AZ, July 2019
D. Hoy, S. Taggart, Z. Wang, A Tighter Welfare Guarantee for First-Price Auctions, *50th Annual ACM SIGACT Symposium on Theory of Computing (STOC)*, Los Angeles, CA, July 2018
N. Immorlica, B. Lucier, E. Pountourakis, S. Taggart, Repeated Sales with Multiple Strategic Buyers, *18 Annual ACM Conference on Economics and Computation (EC)*, Cambridge, MA, July 2017
J. Hartline, D. Hoy, S. Taggart, Price of Anarchy for Auction Revenue, *15th Annual ACM Conference on Economics and Computation (EC)*, Palo Alto, CA, July 2014

C. Cusack, T. Lewis, D. Simpson, S. Taggart, The Complexity of Pebbling in Diameter Two Graphs, *SIAM Journal of Discrete Mathematics*, Volume 26, Issue 3, 2012

R. Buehler, Z. Goldman, D. Liben-Nowell, Y. Pei, J. Quadri, A. Sharp, S. Taggar, T. Wexler, K. Woods, The Price of Civil Society, *Workshop on Internet and Network Economics (WINE)*, Singapore, December 2011

AWARDS

Department of Electrical Engineering and Computer Science Best TA Award

- Recognized for work on EECS 336: Design and Analysis of Algorithms, 2016

Honorable Mention, NSF Graduate Research Fellowship

- Project Title: “Algorithmic Pricing of Combinatorial Commons” 2012

Cabell Graduate Fellowship

- Northwestern University, 2012

INVITED TALKS, WORKSHOPS AND PANELS

Near-Optimal Non-Revelation Mechanisms

Invited Talk, University of Pennsylvania, Philadelphia, PA, July 2016

Non-Revelation Mechanism Design

Refereed Talk, 2nd Workshop on Algorithmic Game Theory and Data Science, Maastricht, Netherlands, June 2016

The Universality of IID Position Auctions

Invited Talk, 22nd International Symposium on Mathematical Programming, Pittsburgh, PA, July 2015

Mechanism Design for Program Committees

Invited Talk, Harvard University, May 2015

The Approximate Optimality of Simple Auctions

Invited Talk, Midwest Theory Day, Purdue University, May 2014

First-Price Auctions: An Archetype for Analysis

Invited Talk, Bellairs Workshop on Algorithmic Game Theory, Bellairs, Barbados, April 2014

SERVICE

Program Committees

- AAAI Conference on Artificial Intelligence (AAAI) (2020)
- Conference on Web and Internet Economics (WINE) (2019)
- ACM Conference on Economics and Computation (EC) (2018, 2019, 2020)
- Workshop on Mechanism Design for Social Good (2017, 2018, 2019)

Reviewing

- International Symposium on Algorithmic Game Theory (SAGT) (2019)
- ACM SIGACT Symposium on Theory of Computing (STOC) (2019, 2020)
- ACM-SIAM Symposium on Discrete Algorithms (SODA) (2017, 2018)
- European Symposium on Algorithms (ESA) (2017)
- ACM Conference on Economics and Computation (EC) (2017)
- International World Wide Web Conference (WWW) (2017)
- Optimization Letters

Other

- Organizer, Inequality Working Group, Mechanism Design for Social Good Research Group (2019-2020)
- Member-at-large, American Association of University Professors, Oberlin Chapter (2019-2020)
- Organizer, Unit on Civic Participation, Reading Group on Mechanism Design for Social Good (2017, 2018)