

Nick Arnosti

Uris Hall 402
Columbia University
New York, NY, 10027

Updated: June 19, 2017
Email: nicholas.arnosti@gmail.com
Phone: 651-328-1412

Employment

Assistant Professor, Decision, Risk and Operations (DRO) Division
Graduate School of Business, Columbia University, 2016-present.

Education

Ph.D., Management Science and Engineering,
Stanford University 2016.

B.A. Mathematics and Computer Science with Highest Honors,
Williams College 2011 (Magna Cum Laude, Phi Beta Kappa)

Research Interests

Matching markets, auctions, online platforms.

Publications

Journals

N. Arnosti, M. Beck, and P. Milgrom. *Adverse Selection and Auction Design for Internet Display Advertising*. American Economic Review (AER), October 2016.

N. Arnosti, and J. Kalita. *Cutting Plane Training for Linear Support Vector Machines*. IEEE Transactions on Knowledge and Data Engineering (TKDE) 2013.

N. Arnosti, R. Karpman, C. Levenson, J. Levinson, and S. Loepp. *Semi-Local Formal Fibers of Minimal Prime Ideals of Excellent Reduced Local Rings*. Journal of Commutative Algebra, Vol. 4, No. 1, 2012.

Refereed Conferences

N. Arnosti. *Short Lists in Centralized Clearinghouses*. ACM Conference on Economics and Computation (EC) 2015 - Extended Abstract.

N. Arnosti, M. Beck, and P. Milgrom. *Auctions, Adverse Selection and Internet Display Advertising*. ACM Conference on Economics and Computation (EC) 2015 - Extended Abstract.

N. Arnosti, N. Immorlica, and B. Lucier. *The (Non)-Existence of Stable Mechanisms in Incomplete Information Environments*. Conference on Web and Internet Economics (WINE) 2015.

N. Arnosti, R. Johari, and Y. Kanoria. *Managing Congestion in Decentralized Matching Markets*. ACM Conference on Economics and Computation (EC) 2014 - Extended Abstract.

N. Arnosti, and D. Russo. *Welfare-Improving Cascades and the Effect of Noisy Reviews*. Conference on Web and Internet Economics (WINE) 2013.

N. Arnosti, and A. Danyluk. *Feature Selection via Probabilistic Outputs*. International Conference on Machine Learning (ICML) 2012.

Awards and Achievements

2015 Google PhD Fellowship.
2014 Lieberman-Danzig Fellowship.
Williams College Goldberg Scholar (2011)
Witte Problem Solving Prize in Mathematics (2010, 2011)
Williams Class of 1960's Scholar (2010, 2011)
Top 200 in Putnam Exam (2009, 2010)

Academic Service

Refereeing

Journals:

Management Science (MS)
Operations Research (OR)
International Journal on Game Theory (IJGT)
ACM Transactions on Economics and Computation (TEAC)

Conferences:

ACM Conference on Economics and Computation (EC)
Auctions, Matching Mechanisms, and their Applications (AMMA)
European Symposium on Algorithms (ESA)
Scandinavian Symposium and Workshops on Algorithm Theory (SWAT)
International Conference on Autonomous Agents and Multiagent Systems (AAMAS)

Department Activities

2015-2016 RAIN Seminar Organizer.
2012-2014 PhD Student Representative, Management Science and Engineering.
2013 Department Service Award, Management Science and Engineering.

Past Employment

Intern, Microsoft Research New England, June-September 2014.
Independent Contractor for Auctionomics, Inc., March-December 2013.

Outside Activities

None

Conference Presentations

2015

Short Lists in Centralized Clearinghouses.

INFORMS Annual Meeting, Philadelphia PA

Adverse Selection and Auction Design for Internet Display Advertising.

INFORMS Annual Meeting, Philadelphia PA.

Adverse Selection and Auction Design for Internet Display Advertising.

NBER Market Design Workshop, Boston MA.

Centralized Clearinghouse Design: A Quantity-Quality Tradeoff.

Cornell ORIE Young Researchers Workshop, Ithaca NY.

Short Lists in Centralized Clearinghouses.

World Congress of the Econometric Society (ESWC), Montreal, Canada.

Short Lists in Centralized Clearinghouses.

Auctions, Matching Mechanisms, and their Applications (AMMA), Chicago IL.

Adverse Selection and Auction Design for Internet Display Advertising.

Auctions, Matching Mechanisms, and their Applications (AMMA), Chicago IL.

Short Lists in Centralized Clearinghouses.

Stony Brook International Conference on Game Theory, Stony Brook NY.

Adverse Selection and Auction Design for Internet Display Advertising.

Stony Brook International Conference on Game Theory, Stony Brook NY.

Short Lists in Centralized Clearinghouses.

Conference on Economic Design (CoED), Istanbul, Turkey.

Correlations in Preferences and the Design of Centralized Clearinghouses.

Manufacturing Services and Operations Management (MSOM), Toronto, Canada.

Short Lists in Centralized Clearinghouses.

Economics and Computation (EC), Portland OR.

Adverse Selection and Auction Design for Internet Display Advertising.

Economics and Computation (EC), Portland OR.

The (Non)-Existence of Stable Mechanisms in Incomplete Information Environments.

MATCH-UP 2015, Glasgow, Scotland.

Managing Congestion in Dynamic Matching Markets.

Meeting of the American Economics Association (AEA), Boston MA.

2014

Managing Congestion in Dynamic Matching Markets.

INFORMS Annual Meeting, San Francisco CA.

Adverse Selection and Auction Design for Internet Display Advertising.

Greece Economic and Algorithmic Theory Week (GREAT), Paros, Greece.

Managing Congestion in Decentralized Matching Markets.

Manufacturing Services and Operations Management (MSOM), Seattle WA.

Managing Congestion in Decentralized Matching Markets.

Economics and Computation (EC), Palo Alto CA.