Nima Haghpanah's Resume

CONTACT INFORMATION	415 Kern Building Penn State University	*E-mail:* nima.haghpanah@gmail.com *Web:* http://www.personal.psu.edu/nuh47/

EMPLOYMENT

- **Penn State University**. Department of Economics
  Assistant Professor, August 2016 – present

- **Columbia University**. Department of Economics
  Visiting Assistant Professor, July 2019 – June 2020

- **MIT**. CSAIL and Sloan School of Management
  Postdoctoral Associate, September 2014 – July 2016

EDUCATION

- **Northwestern University**
  PhD in Computer Science, 2014

- **Sharif University of Technology**
  M.S. in Computer Engineering (Software), 2009
  B.S. in Computer Engineering (Software), 2007

WORK IN PROGRESS

- Selling to a Group
  (with Aditya Kuvalekar and Elliot Lipnowski)
  Abstract in ACM EC 2021

- Pareto Improving Segmentation of Multi-product Markets
  (with Ron Siegel)
  Abstract in ACM EC 2019 as "Consumer-optimal Market Segmentation"

- The Limits of Multi-product Price Discrimination
  (with Ron Siegel)

- Sequential Mechanisms with ex-post Participation Guarantees
  (with Itai Ashlagi, Costis Daskalakis)
  R&R at Operations Research
  Abstract in ACM EC 2016

PUBLICATIONS

- How to Sell Hard Information
  (with S. Nageeb Ali, Xiao Lin, and Ron Siegel)
  Quarterly Journal of Economics (forthcoming)

- When Is Pure Bundling Optimal?
  (with Jason Hartline)
  Review of Economic Studies 2021
  Abstract in ACM EC 2015 as "Reverse Mechanism Design"

- Full Surplus Extraction from Samples
  (with Hu Fu, Jason Hartline, Robert Kleinberg)
  Journal of Economic Theory 2021
  Abstract in ACM EC 2014 as "Optimal Auctions for Correlated Buyers with Sampling"

- Optimal Multi-Unit Mechanisms with Private Demands
  (with Nikhil Devanur, Alex Psomas)
  Games and Economic Behavior 2020
  Abstract in ACM EC 2017

- Efficient Computation of Optimal Auctions via Reduced Forms
  (with Saeed Alaei, Hu Fu, Jason Hartline, Azarakhsh Malekian)
  Mathematics of Operations Research 2019
  Abstract in ACM EC 2012

- Revenue Maximization with Nonexcludable Goods
  (with MohammadHossein Bateni, Balu Sivan, Morteza Zadimoghaddam)
  ACM Transactions on Economics and Computation 2015
  Special Issue on WINE 2013 Papers
  Preliminary version in WINE 2013

- Optimal Auctions with Positive Network Externalities
  (with Nicole mmorlica, Vahab Mirrokni, Kamesh Munagala)
  ACM Transactions on Economics and Computation 2013
  Special Issue on Algorithmic Game Theory
  Preliminary version in ACM EC 2011

- Equilibrium Pricing with Positive Externalities
  (with Nima Anari, Shayan Ehsani, Mohammad Ghodsi, Nicole Immorlica, Hamid Mahini, Vahab Mirrokni)
  Theoretical Computer Science 2013
  Preliminary version in WINE 2010

PEER
REVIEWED
CONFERENCES

- Exchange Market Mechanisms without Money
  (with Zeinab Abbassi, Vahab Mirrokni)
  WINE 2015

- The Simple Economics of Approximately Optimal Auctions
  (with Saeed Alaei, Hu Fu, Jason Hartline)
  FOCS 2013

- Optimal Iterative Pricing over Social Networks
  (with Hessam Akhlaghpour, Mohammad Ghodsi, Hamid Mahini, Vahab Mirrokni, Afshin Nikzad)
  WINE 2010

TEACHING

- **Undergraduate Microeconomics** (honors), Penn State
- **Undergraduate Economics of Law and Regulation**, Penn State
- **2nd year PhD Micro Theory Topics**, Penn State
- **2nd year Masters Advanced Microeconomics**, Columbia
- **Undergraduate Game Theory**, Columbia

PROFESSIONAL
ACTIVITIES

- **Program Committee**. AMMA (2015), ACM EC (2015 to 2019, 2021), WINE (2016, 2017, 2019, 2021), NetEcon (2017, 2019, 2021), The Web Conference (2020, 2021).
- **Session Organizer**. ISMP 2015.
- **Journal Referee**. ACM Transactions on Algorithms, ACM Transactions on Economics and Computation, AEJ Micro, AER insights, Econometrica, Economic Theory, Games and Economic Behavior, Journal of Artificial Intelligence, Journal of Econometrics, Journal of Economic Theory, Journal of Industrial Economics, Journal of Mathematical Economics, Journal of Political Economy, Management Science, Mathematics of Operations Research, Operations Research, Review of Economic Design, Review of Economic Studies, SIAM Journal on Discrete Mathematics.

TALKS (INCLUDING SCHEDULED)	**2021**: USC, Essex, Chicago, Yale, Ohio State, Virtual Seminar in Economic Theory (VSET), Mannheim Virtual IO Seminar, ACM EC, Game Theory Society World Congress. **2020**: NYU, MIT-Harvard, Canadian Economic Theory Conference, INFORMS, Organizational Economics Workshop. **2019**: UBC, Columbia, Theory at Penn State, Pennsylvania Economic Theory Conference, Canadian Economic Theory Conference, Stony Brook Game Theory Conference, Market Design Workshop (Santiago), ACM EC, Berkeley-Columbia-Duke-MIT-Northwestern IO Theory Conference (discussant). **2018**: Cologne, CMU-Pittsburg, Oxford, Berkeley-Columbia-Duke-MIT-Northwestern IO Theory Conference. **2017**: Stanford, Pennsylvania Economic Theory Conference, 6th Workshop on Stochastic Methods in Game Theory (Erice), Dynamic Pricing Workshop (University of Chile), Econometric Society North American Summer Meeting, SAET, Stony Brook Game Theory Conference. **2016**: Arizona State Economic Theory Conference, Becker Friedman Institute (University of Chicago), Penn State University, University of Rochester, Econometric Society North American Summer Meeting, World Congress of the Game Theory Society, ACM EC. **2015**: Northwestern, University of Chicago, Boston University (Questrom), Caltech (CS), MIT (CS), IBM Almaden, Stanford (CS), USC (CS), Microsoft Research, Harvard (CS), Berkeley (Simons Institute), Stony Brook Game Theory Conference, ISMP, ACM EC, INFORMS, INFORMS Revenue Management and Pricing. **2014**: Harvard (CS), Cornell (CS), Wisconsin (CS), Google, eBay, NBER Market Design Workshop. **2013 and earlier**: FOCS (2013), INFORMS (2013). EC, INFORMS (2011). WINE (2010).
VISITS AND EXPERIENCES	**Simons Institute, Berkeley**. 08/15 – 12/15. Visiting researcher. **Harvard University**. 01/14 – 08/14. Visiting PhD Student. **Cornell University**. 01/13 – 05/13. Visiting PhD Student. **Google NYC**. 07/12 – 09/12. Summer intern.
HONORS AND AWARDS	**Outstanding Teaching Award ($\times$ 2)**. Penn State Economics, 2017 and 2019. **Best Dissertation Award**. Northwestern University EECS Department, 2015. **Simons Award** for Graduate Students in Theoretical Computer Science, 2013. **Yahoo! Key Scientific Challenges**. 2012. **Ranked 1st**. 11th National Olympiad for University Students, Iran, 2006.