

# Adel Javanmard

Associate Professor, Data Sciences and Operations Department  
Marshall School of Business, University of Southern California

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## ACADEMIC POSITIONS

**Marshall School of Business, University of Southern California** , Los Angeles, CA.

<b>Associate Professor (with tenure)</b> Department of Data Sciences and Operations (Statistics discipline).	May 2021-Present
<b>Assistant Professor</b> Department of Data Sciences and Operations (Statistics discipline).	Jun 2015-May 2021

**Viterbi School of Engineering, University of Southern California** , Los Angeles, CA.

<b>Associate Professor (by courtesy)</b> , Department of Computer Science.	May 2021-Present
<b>Assistant Professor (by courtesy)</b> , Department of Computer Science.	Jan 2017-May 2021.

**Simons Institute for the Theory of Computing**, UC Berkeley.

<b>Visiting Scientist</b> , <i>Foundations of Data Science Program</i> .	Fall 2018
<b>Visiting Scientist</b> , <i>Information Theory Program</i> .	Spring 2015

**Center for Science of Information**, Worksite: UC Berkeley, Stanford University 2014-2015

**NSF Post-Doctoral Research Fellow**

**Microsoft Corporation**,

<b>Research Intern</b> , Microsoft Research New England Lab,	Jun-Sep 2012
<b>Research Intern</b> , Microsoft Research Silicon Valley, Mountain View, CA	Jun-Sep 2011

## EDUCATION

**Stanford University**, Stanford, CA

Ph.D. in Electrical Engineering, Advisor: <i>Andrea Montanari</i> <i>Thesis Title:</i> Inference and Estimation in High-Dimensional Data Analysis	2010–2014
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**Stanford University**, Stanford, CA

M.Sc. in Electrical Engineering	2009-2011
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**Sharif University of Technology**, Tehran, Iran

B.Sc. in Electrical Engineering	2004–2009
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**Sharif University of Technology**, Tehran, Iran

B.Sc. in Mathematics	2005–2009
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## RESEARCH INTERESTS

- High-dimensional statistical inference and estimation
- Mathematical foundations of data science
- Statistical machine learning and applied statistics
- Non-convex optimization, applied probability, random matrix theory
- Structured learning: sparse regression, low-rank models, network data analysis
- Iterative algorithms, graphical models, message passing algorithms, statistical physics
- Dynamic and personalized decision-making

## DISTINCTIONS

- **Alfred P. Sloan Research Fellow in Mathematics**, 2021.
- **Adobe Data Science Faculty Research Award**, 2020
- **IMS Tweedie New Researcher Award**, Institute of Mathematical Statistics, 2020.
- **NSF CAREER Award**, Division of Mathematical Sciences (Statistics Program), 2019
- **USC Marshall Outlier Research in Business (iORB) Fund**, 2018.
- **Dr. Douglas Basil Award for Junior Business Faculty**, 2018.
- **Zumberge Individual Award**, USC James H. Zumberge Faculty Research and Innovation Fund, 2017.
- **Google Faculty Research Award**, 2016.  
1 of 6 recipients worldwide in the field of Algorithms and Optimization
- **Thomas M. Cover Dissertation Award**, IEEE Information Theory Society, 2015.  
Awarded annually to 1 recipient worldwide for an outstanding doctoral dissertation
- **NSF CSoI Post-Doctoral Research Fellowship**, Center for Science of Information, 2014–2015.
- **Student Paper Award Finalist**, IEEE Intl Symp on Information Theory (ISIT), USA, 2012.
- **Student Paper Award Finalist**, IEEE Intl Symp on Information Theory (ISIT), Russia, 2011.
- **Stanford Graduate Fellowship**, 2010–2013.
- **Stanford Electrical Engineering Fellowship**, 2009–2010.
- **Silver medal**, 45<sup>th</sup> International Mathematical Olympiad (IMO), Greece, 2004.
- **Gold medal**, National Mathematical Olympiad, Tehran, IRAN, 2003.
- **Bronze medal**, National Mathematical Olympiad, Tehran, IRAN, 2002.

## SCHOLARLY IMPACT

All numbers are based on the candidate's google scholar.

- Total citations to articles: 3,202.
- h-index = 24; i10-index = 36.

## PUBLICATIONS

- DISSERTATION

**Adel Javanmard**, “*Inference and Estimation in High-dimensional Data Analysis*,” Stanford University Ph.D. Dissertation, July 2014

\*Winner of the 2015 Thomas Cover Dissertation Award from the IEEE Information Theory Society\*.

### Refereed Journal Publications

1. Yash Deshpande, **Adel Javanmard**, Mohammad Mehrabi, “*Online Debiasing for Adaptively Collected High-dimensional Data with Applications to Time Series Analysis*,” Accepted for publication in the **Journal of American Statistical Association (Theory and Methods)**, 2021.
2. **Adel Javanmard** and Jason D. Lee, “*A Flexible Framework for Hypothesis Testing in High-dimensions*,” **Journal of Royal Statistical Society (Series B)**, 82(3), pp. 685–718, 2020.
3. Ery Arias-Castro, **Adel Javanmard**, Bruno Pelletier, “*Perturbation Bounds for Procrustes, Classical Scaling, and Trilateration, with Applications to Manifold Learning*,” **Journal of Machine Learning Research**, 21(15): pp. 1-37, 2020.
4. **Adel Javanmard**, Marco Mondelli and Andrea Montanari, “*Analysis of a Two-Layer Neural Network via Displacement Convexity*,” In press, **Annals of Statistics**, 2019. Preprint available at arXiv:1901.01375.
5. Negin Golrezaei, **Adel Javanmard** and Vahab Mirrokni, “*Dynamic Incentive-Aware Learning: Robust Pricing in Contextual Auctions*,” In press, **Journal of Operations Research**, 2019. opre.2020.1991.
6. **Adel Javanmard** and Hamid Javadi, “*False Discovery Rate Control via Debaised Lasso*,” **Electronic Journal of Statistics**, Volume 13, No .1, pages 1212-1253, 2019.
7. David S. Robertson, Jan Wildenhain, **Adel Javanmard**, and Natasha A. Karp, “*onlineFDR: an R package to control the false discovery rate for growing data repositories*,” **Bioinformatics Journal**, Volume 35, Issue 20, Pages 4196–4199, 2019.
8. **Adel Javanmard** and Hamid Nazerzadeh, “*Dynamic pricing in high-dimensions*,” **The Journal of Machine Learning Research** 20, no 1 (2019): 315-363.
9. Mahdi Soltanolkotabi, **Adel Javanmard** and Jason D. Lee “*Theoretical insights into the optimization landscape of over-parameterized shallow neural networks*,” **IEEE Transactions on Information Theory**, 65(2), pages 742-769, 2018.
10. **Adel Javanmard** and Andrea Montanari, “*Debiasing the Lasso: Optimal Sample Size for Gaussian Designs*,” **Annals of Statistics**, Volume 46, No. 6A, pages 2593-2622, 2018.
11. **Adel Javanmard** and Andrea Montanari, “*Online Rules for Control of False Discovery Rate and False Discovery Exceedance*,” **Annals of Statistics**, Vol. 46, No. 2, pages 526-554, 2018.
12. **Adel Javanmard** “*Perishability of Data: Dynamic pricing under varying-coefficient models*,” **Journal of Machine Learning Research**, 18(53):1-31, 2017.
13. Anand Bhaskar, **Adel Javanmard**, Thomas Courtade, David Tse, “*Novel probabilistic models of spatial genetic ancestry with applications to stratification correction in genome-wide association studies*,” In **Bioinformatics Journal**, March 2017, 33(6), pp. 879-885, doi: 10.1093/bioinformatics/btw720.
14. **Adel Javanmard**, Andrea Montanari and Federico Ricci-Tersenghi, “*Phase Transitions in Semidefinite Relaxations*,” In **Proceedings of the National Academy of Sciences (PNAS)**, 113(16): E2218-E2223, 2016. doi: 10.1073/pnas.1523097113.

15. S. Akbari, A. Daemi, O.Hatami, **A. Javanmard**, A. Mehrabian, “*Nowhere-zero Unoriented Flows in Hamiltonian Graphs*,” **Ars Combinatoria Journal**, 120:51-63, 2015.
16. **Adel Javanmard** and Andrea Montanari, “*Confidence Intervals and Hypothesis Testing for High-Dimensional Regression*,” **Journal of Machine Learning Research**, 15(1): 2869-2909, 2014.
17. **Adel Javanmard** and Andrea Montanari, “*Hypothesis Testing in High-Dimensional Regression under the Gaussian Random Design Model: Asymptotic Theory*,” **IEEE Transaction on Information Theory**, 60(10):6522-6554, 2014.
18. **Adel Javanmard** and Andrea Montanari, “*State Evolution for General Approximate Message Passing Algorithms, with Applications to Spatial Coupling*,” **Information and Inference (A Journal of the IMA)**, 2(2): 115-144, 2013.
19. David L. Donoho, **Adel Javanmard**, and Andrea Montanari, “*Information-Theoretically Optimal Compressed Sensing via Spatial Coupling and Approximate Message Passing*,” **IEEE Transaction on Information Theory**, 59(11):7434-7464, 2013.
20. **Adel Javanmard** and Andrea Montanari, “*Localization from Incomplete Noisy Distance Measurements*,” **Foundations of Computational Mathematics**, 13(3):297-345, June 2013.
21. S. Akbari, A. Daemi, O.Hatami, **A. Javanmard**, A. Mehrabian, “*Zero-Sum Flows in Regular Graphs*,” **Graphs and Combinatorics Journal**, 26(5):603-615, Sep 2010.
22. **Adel Javanmard**, and Farid Ashtiani, “*Analytical Evaluation of Average Delay and Maximum Stable Throughput along a Typical Two-Way Street for Vehicular Ad-Hoc Networks in Sparse Situation*,” **Elsevier Computer Communications**, 32(16):1768-1780, Oct. 2009.
23. G. Hosein Mohimani, Farid Ashtiani, **Adel Javanmard**, and Maziyar Hamdi, “*Mobility Modeling, Spatial Traffic Distribution, and Probability of Connectivity for Sparse and Dense Vehicular Ad Hoc Networks*,” **IEEE Transaction on Vehicular Technology**, 58(4):1998 - 2007, May 2009.

## Refereed Conference Publications

1. Mohammad Mehrabi, **Adel Javanmard**, Ryan A. Rossi, Anup Rao, Tung Mai, “*Fundamental Tradeoffs in Distributionally Adversarial Training*,” Proceedings of the 38th **International Conference on Machine Learning (ICML)**, PMLR 139:7544-7554, 2021.
2. **Adel Javanmard**, Mahdi Soltanolkotabi, Hamed Hassani, “*Precise Tradeoffs in Adversarial Training for Linear Regression*,” Proceeding of **International Conference on Learning Theory (COLT 2020)**. Preprint available at arXiv:2002.10477.
3. **Adel Javanmard**, Hamid Nazerzadeh and Simeng Shao, “*Multi-Product Dynamic Pricing in High-Dimensions with Heterogenous Price Sensitivity*,” **IEEE International Symposium on Information Theory (ISIT 2020)**. Preprint available at arXiv:1901.01030.
4. Negin Golrezaei, **Adel Javanmard** and Vahab Mirrokni, “*Dynamic Incentive-Aware Learning: Robust Pricing in Contextual Auctions*,” Proceeding of **Advances in Neural Information Processing Systems (NeurIPS 2019)** 32, pp: 9759–9769, 2019.
5. **Adel Javanmard** and Hamid Nazerzadeh, “*Dynamic pricing in high-dimensions*,” Conference on **Two-sided Marketplace Optimization: Search, Pricing, Matching & Growth (TSMO)**, 2018.
6. Federico Ricci-Tersenghi, **Adel Javanmard** and Andrea Montanari, “*Performance of a community detection algorithm based on semidefinite programming*,” **Journal of Physics Series** 699(1):1-11, 2016.

7. Sonia Bhaskar and **Adel Javanmard**, “*1-Bit Matrix Completion under Exact Low-Rank Constraint*,” Proceedings of 49th Annual **Conference on Information Sciences and Systems (CISS)**, Baltimore, MD, 2015, pp: 1-6, doi: 10.1109/CISS.2015.7086879, 2015.
8. **Adel Javanmard** and Andrea Montanari, “*Confidence Intervals and Hypothesis Testing for High-Dimensional Regression*,” Proceeding of **Advances in Neural Information Processing Systems (NeurIPS 2013)**, 26, pages 1187-1195, 2013.
9. **Adel Javanmard** and Andrea Montanari, “*Model Selection for High-Dimensional Regression under the Generalized Irrepresentability Condition*,” Proceeding of **Advances in Neural Information Processing Systems (NeurIPS 2013)**, 26, pages 3012-3020, 2013.
10. **Adel Javanmard** and Andrea Montanari, “*Nearly Optimal Sample Size in Hypothesis Testing for High-Dimensional Regression*,” Proceedings of Annual **Allerton Conference** on Communication, Control and Computing, pages 1427-1434, 2013.
11. Animashree Anandkumar, Daniel Hsu, **Adel Javanmard**, and Sham M. Kakade, “*Learning Linear Bayesian Networks with Latent Variables*,” Proceeding of the 30th **International Conference on Machine Learning (ICML 2013)**, 28(1):249-257, 2013.
12. Morteza Ibrahimi, **Adel Javanmard**, and Benjamin Van Roy, “*Efficient Reinforcement Learning for High Dimensional Linear Quadratic Systems*,” Proceeding of **Advances in Neural Information Processing Systems (NeurIPS 2012)**, pages 2645-2653, 2012.
13. **Adel Javanmard** and Andrea Montanari, “*Subsampling at Information Theoretically Optimal Rates*,” Proc. of **IEEE International Symposium on Information Theory (ISIT)**, pages 2431-2435, 2012.
14. David L. Donoho, **Adel Javanmard**, and Andrea Montanari, “*Information-Theoretically Optimal Compressed Sensing via Spatial Coupling and Approximate Message Passing*,” Proceeding of **IEEE International Symposium on Information Theory (ISIT)**, pages 1231-1235, 2012.
15. **Adel Javanmard** and Li Zhang “*The minimax risk of truncated series estimators for symmetric convex polytopes*,” Proceeding of **IEEE International Symposium on Information Theory (ISIT)**, pp 1633-1637, 2012.  
(\*Best Student Paper Award Finalist\*)
16. **Adel Javanmard**, Maya Haridasan, and Li Zhang, “*Multi-track Map Matching*,” Proceeding of **International conference on Advances in Geographic Information Systems (SIGSPATIAL)**, pages 394-397, 2012.
17. Mohammad Alizadeh, **Adel Javanmard**, Shang-Tse Chuang, Sundar Iyer, and Yi Lu “*Versatile Refresh: Low-Complexity Refresh Scheduling for High-throughput Multi-banked eDRAM*,” Proceeding of the 12th **ACM SIGMETRICS/PERFORMANCE**, pages 247-258, 2012.
18. Morteza Ibrahimi, **Adel Javanmard**, Yashodhan Kanoria, and Andrea Montanari, “*Robust Max-Product Belief Propagation*,” **Asilomar Conference** on Signals, Systems and Computers, pages 43-49, 2011.
19. **Adel Javanmard** and Andrea Montanari, “*Localization from Incomplete Noisy Distance Measurements*,” Proceeding of **IEEE International Symposium on Information Theory (ISIT)**, pages 1584-1588, 2011.  
(\*Best Student Paper Award Finalist\*)
20. Mohammad Alizadeh, **Adel Javanmard**, and Balaji Prabhakar, “*Analysis of DCTCP: Stability, Convergence, and Fairness*,” Proceeding of **ACM SIGMETRICS**, pages 73-84, 2011.

21. **Adel Javanmard**, Pedram Pad, Masoud Babaie-Zadeh and Christian Jutten, “*Estimating The Mixing Matrix In Underdetermined Sparse Component Analysis (SCA) Using Consecutive Independent component Analysis (ICA)*”, Proceeding of the 16th European Signal Processing Conference (**EUSIPCO**), Lausanne, Aug. 2008.

## Under Review

1. Simeng Shao, Jacob Bien, **Adel Javanmard**, “*Controlling the False Split Rate in Tree-Based Aggregation,*” under review 2021.
2. **Adel Javanmard** and Mahdi Soltanolkotabi, “*Precise Statistical Analysis of Classification Accuracies for Adversarial Training,*” under second round of revision at **Annals of Statistics**, 2020.
3. Dmitrii M. Ostrovskii, Mohamed Ndaoud, **Adel Javanmard** and Meisam Razaviyayn, “*Near-Optimal Model Discrimination with Non-Disclosure,*” under review 2020.
4. Amin Jalali, **Adel Javanmard** and Maryam Fazel, “*New Computational and Statistical Aspects of Regularized Regression with Application to Rare Feature Selection and Aggregation,*” under review 2019.

## GRANT PROPOSALS

1. *Adobe Data Science Faculty Research Award (2020)*: Solo Principal Investigator (\$50,000). Title: “Learn Your Customer: Novel Statistical Methods for Segmenting Online Users and Their Behaviors”.
2. *NSF CAREER Award*: Solo Principal Investigator for 5-year (\$402,189) National Science Foundation grant. Title: “Valid and Scalable Inference for High-dimensional Statistical Models.” Estimated time: ~1 summer month/year (May 15, 2019–May14, 2024). [1 of 5 awarded in Statistics in 2019]
3. *USC Marshall Outlier Research in Business (iORB) grant (2018)*: Solo Principal Investigator (\$10,000). Title: “Reliable Inference for Statistical Models”.
4. *USC Zumberge Individual Faculty Award (2017)*: Solo Principal Investigator (\$26,174). Title: “Inference on Sparse Network Data via Semidefinite Programming.”
5. *Google Faculty Research Award (2016)*: Principal Investigator (\$65,500). Title: “Statistical Learning Mechanisms for Online Ad Markets: Stability and Incentive Compatibility”.

## PHD STUDENTS

- Advisor of Simeng Shao, Phd Student: Data Sciences and Operations, Marshall School of Business, University of Southern California. Expected graduation date: May 2022.
- Advisor of Mohammad Mehrabi, Phd Student: Data Sciences and Operations, Marshall School of Business, University of Southern California. Expected graduation date: May 2023.

## SOFTWARE PACKAGES

- **hat**: Hierarchical Aggregation Teting (with Simeng Shao and Jacob Bien). [link to package and documentation].
- **onlineDebiasing**: Statistical Inference with Online Debiasing (with Yash Deshpande and Mohammad Mehrabi). [link to package and documentation].
- **onlineFDR**: an R package to control the false discovery rate for growing data repositories (with David S Robertson, Jan Wildenhain and Natasha A Karp). [link to package and documentation].

- **GAP**: General probabilistic models of spatial genetic ancestry with applications to stratification correction in genome-wide association studies (with Anand Bhaskar, Thomas Courtade and David Tse). [link to package and documentation].
- **SDPclustering**: Graph clustering and community detection via Semidefinite Programming (with Andrea Montanari and Federico Ricci-Tersenghi). [link to package and documentation].
- **sslasso**: Confidence Intervals and Hypothesis Testing for High- Dimensional Regression (with Hamid Javadi, Andrea Montanari and Sven Schmit). [link to package and documentation].

## PRESENTATIONS

### Statistical Inference for High-Dimensional Models

56. IMS Tweedie Invited Lecture, Bernoulli-IMS One World Symposium, August 2020

### Precise Tradeoffs in Adversarial Training for Linear Regression

55. Invited talk at UIUC Statistics Seminar, March 2021  
 54. Invited talk at Yale University, Department of Statistics and Data Science, Dec 2020.  
 53. Invited talk at CMU Statistics and Data Science Seminar, October 2020  
 52. Thirty-third Annual Conference on Learning Theory, July 2020

### Online Debiasing for Adaptively Collected High-dimensional Data

51. Invited talk at Simons Institute for the Theory of Computing (*Reunion workshop of Foundations of Data Science Program*), December 2019

### Analysis of a two-layer neural networks via displacement convexity

50. Invited talk at Institute for Outlier Research (iORB) mini-conference, USC Marshall, December 2019  
 49. Invited talk at INFORMS Annual Meeting, Seattle, Washington, October 2019  
 48. Invited talk at International Conference on Continuous Optimization (ICCOPT), Berlin, August 2019  
 47. Invited talk at American Mathematical Society (AMS) Meeting, Honolulu, Hawaii, March 2019  
 46. Invited talk at Wilks Seminar, Princeton University, March 2019  
 45. Invited talk at workshop of Rough Landscapes: From Physics to Algorithms, Kavli Institute for Theoretical Physics, January 2019

### A Flexible Framework for Hypothesis Testing in High-Dimensions

44. Invited talk at Simons Institute for the Theory of Computing (*Foundations of Data Science Program*), November 2018  
 43. Invited talk at Information Theory and Applications Workshop (ITA), February 2018  
 42. Invited talk at Conference on Information Sciences and Systems (CISS), Princeton, March 2018

### Dynamic Incentive-Aware Learning: Robust Pricing in Contextual Auctions

41. Invited talk at ISE seminar, University of Southern California, October 2020  
 40. Invited talk at IEOR/DRO seminar, Columbia University, October 2020  
 39. Invited talk at INFORMS Annual Meeting, Seattle, Washington, October 2019  
 38. Invited talk at Simons Institute for the Theory of Computing (*Foundations of Data Science Program*), September 2018

37. Invited talk at Google Research, New York, May 2018
36. Invited talk at MIT Stochastics and Statistics Seminar, May 2018

#### **Dynamic Pricing in High-dimensions**

35. Invited talk at Information Theory and Applications Workshop (ITA), February 2017
34. Invited talk at MIT Operation Research Seminar, March 2017
33. Invited talk at INFORMS Annual Meeting, Houston, TX, October 2017

#### **Online Control of False Discovery Rate**

32. Invited talk at the 10th International Conference on Multiple Comparison Procedures, June 2017
31. Invited talk at Probability and Statistics seminar, Math Department, University of Southern California, January 2017
30. Invited talk at INFORMS Annual Meeting, Nashville, TN, November 2016
29. Invited talk at Joint Statistical Meetings, Seattle, August 2015
28. Invited talk at Statistical Learning and Data Science Conference, University of North Carolina, Chapel Hill, June 2016

#### **Phase Transitions in Semidefinite Programming**

27. Invited talk at CommNetS Seminar, Electrical Engineering Department, University of Southern California, January 2016

#### **Extracting Biomedical Relationships from Unstructured Documents**

26. Invited talk at INFORMS Annual Meeting, Philadelphia, PA, November 2015

#### **De-biasing the Lasso: Optimal Sample Size for Gaussian Designs**

25. Invited talk at Symposium on Sparse Modeling and Its Applications, UCLA, Statistics department, October 2015

#### **Reasoning about Uncertainty in High-Dimensional Data Analysis**

24. Invited talk at AIM workshop on Inference in High-Dimensional Regression, Palo Alto, January 2015
23. Invited talk at UC Berkeley, November 2014
22. Invited talk at Massachusetts Institute of Technology (MIT), March 2014
21. Invited talk at University of California, Los Angeles (UCLA), March 2014
20. Invited talk at Princeton University, February 2014
19. Invited talk at University of California, San Diego (UCSD), February 2014
18. Invited talk at University of Washington, February 2014
17. Invited talk at Microsoft Research, NYC, February 2014
16. Invited talk at Wharton School of the University of Pennsylvania, February 2014
15. Invited talk at Yale University, February 2014
14. Invited talk at University of Southern California (USC), January 2014
13. Invited talk at Microsoft Research, Silicon Valley, January 2014

#### **Confidence Intervals and Hypothesis Testing for High-Dimensional Regression**

12. Invited talk at University of Illinois (UIUC), November 2013



### **Reasoning about Uncertainty in Social Network Analysis**

11. Invited talk at INFORMS annual meeting, Minneapolis, MN, October 2013

### **Nearly Optimal Sample Size in Hypothesis testing for High-Dimensional Regression**

10. Invited talk at Annual Allerton Conference on Communication, Control and Computing, October 2013

### **Information-Theoretically Optimal Compressed Sensing**

9. Invited talk at University of Southern California (USC), January 2014
8. Invited talk at Information Theory Forum, Stanford, February 2013
7. Invited talk at Asilomar Conference on Signals, Systems, and Computers, November 2012
6. IEEE International Symposium on Information Theory (ISIT), Cambridge, MA, July 2012

### **Subsampling at Information Theoretically Optimal Rates**

5. IEEE International Symposium on Information Theory (ISIT), Cambridge, MA, July 2012

### **Minimax Risk of Truncated Series Estimators over Symmetric Convex Polytopes**

4. IEEE International Symposium on Information Theory (ISIT), Cambridge, MA, July 2012

### **Localization from Incomplete Noisy Distance Measurements**

3. IEEE International Symposium on Information Theory (ISIT), August 2011
2. Invited talk at Microsoft Research, Silicon Valley, August 2011
1. Invited talk at the IDEAL group, Stanford, October 2011

## **SELECTED PROFESSIONAL ACTIVITIES & SERVICE**

### **• SERVICE TO PROFESSION:**

- **Journal Review:** Referee for *Annals of Statistics*, *Journal of the American Statistical Association*, *Journal of Royal Statistical Society*, *Biometrika*, *Electronic Journal of Statistics*, *JSTAT (Journal of Statistical Mechanics: Theory and Experiment)*, *Journal of Econometrics*, *Bernoulli Journal*, *IEEE Transactions on Information Theory*, *IEEE Transactions on Signal Processing*, *IEEE ACM Transactions on Sensor Networks*, *Journal of Machine Learning Research*, *Operations Research*, *Management Science*, *Statistical Science*.
- **Conference Review:** Referee for *Advances in Neural Information Processing Systems (NeurIPS 2013, 2014, 2016)*, *IEEE International Symposium on Information Theory (ISIT 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019)*, *International Conference on Machine Learning (ICML 2012, 2017)*, *Conference on Learning Theory (COLT 2013, 2017)*, *IEEE Information Theory Workshop (ITW 2012, 2017)*.
- Program Committee, IEEE International Symposium on Information Theory (ISIT), 2019.
- Program Committee, IEEE International Symposium on Information Theory (ISIT), 2018.
- Chair for session on “sparsity” at the Information Theory and Application (ITA), 2017.
- Chair for session on “Network Modeling and Inference” at the INFORMS Annual Meeting, 2016.
- National Science Centre (Poland) grant review panelist 2016, 2020

*Last update: September 2021*