Ali Tajer

Curriculum Vitæ

Electrical, Computer, and Systems Engineering Jonsson Engineering Center 6040 Rensselaer Polytechnic Institute 110 8th Street, Troy, NY 12180

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Education

2007-2010 Columbia University, New York City, NY
Ph.D., Electrical Engineering, (May 2010)
M.A., Statistics (May 2009)
M.Phil., Electrical Engineering (May 2009)

Sharif University of Technology
M.Sc., Electrical Engineering (June 2004)
B.Sc., Electrical Engineering, (June 2002)

Academic Employment

2019-present	Rensselaer Polytechnic Institute , Troy, NY Associate Professor
	Electrical, Computer, and Systems Engineering
2014-2018	Rensselaer Polytechnic Institute , Troy, NY Assistant Professor
	Electrical, Computer, and Systems Engineering
2012-2014	Wayne State University , Detroit, MI Assistant Professor
	Electrical and Computer Engineering
2010-2012	Princeton University, Princeton, NJ
	Postdoctoral Research Associate
	Electrical Engineering Department
2010-2012	Columbia University, New York City, NY
	Adjunct Assistant Professor
	Electrical Engineering Department

Editorial Boards

2019-present	Associate Editor, IEEE Transactions on Signal Processing
2013-2020	Editor, IEEE Transactions on Communications
2014-2020	Editor, IEEE Transactions on Smart Grid
2018-2019	Associate Editor, IET Transactions on Smart Grid
2018-2019	Associate Editor, Springer Journal of Modern Power Systems and Clean Energy
2016-2017	Guest Editor, IEEE Signal Processing Magazine
2014-2016	Guest Editor-in-Chief, IEEE Transactions on Smart Grid

Awards

External Honors and Awards

2019	Summer Faculty Fellowship, AFRL
2016	Faculty Early Career Development Award (CAREER), NSF
2015	Elevated to Senior Member, IEEE
2012	Nominated for the IEEE Signal Processing Best Paper Award
	Selected from the papers appeared in the society's 7 Transactions (5-year window).
2011	Nominated for the IEEE Signal Processing Young Author Best Paper Award
	Selected from the papers appeared in the society's 7 Transactions (5-year window).
2011	Jury Award - School of Engineering and Applied Sciences, Columbia University
2010	Ph.D. Thesis Distinction, Columbia University
	Awarded Annually to at most 1% of all the Ph.D. graduates in Engineering, Arts, and Sciences

Rensselaer Honors and Awards

2018	School of Engineering Classroom Excellence Award, Rensselaer Polytechnic Institute
2017	School of Engineering Research Excellence Award, Rensselaer Polytechnic Institute
2014-2019	Board of Trustees Faculty Achievement Award

Student Research Advising

2019-present Arpan Mukherjee (M.Tech., IIT-Kharagpur)	
2019-present Anmol Dwivedi (B. Tech., National Institute of Technology, Tiruchirappalli)	
2020-present Burak Varıcı (B.Sc., Bogazici University)	
2020-present Kamron Fazel (B.Sc., Rensselaer Polytechnic Institute, M.Sc., Pennsylvania State Un	niversity)
2021-present Zirui Yan (B.A., University of Science and Technology of China)	
2021-present Sihui Wang (B.A., Nanjing University (Mathematics))	
2016-2020 Saurabh Sihag (B.Tech./M.Tech, IIT-Kharagpur)	
Research Associate at the University of Pennsylvania	
2016-2020 Maha Zohdy (B.Sc., Cairo University and M.Sc., Nile University)	
Research Scientist at Mathworks, Natick, MA	
2014-2018 Javad Heydari, Ph.D. (B.Sc./M.Sc. Sharif University of Technology)	
AI/Machine Learning research scientist at LG Electronics, Santa Clara, CA	
2013-2018 Saeid Balaneshin, Ph.D.	
Applied Scientist, Zillow, Seattle, WA	
2015-2016 Samia Kazemi	
Ph.D student in Computer Science at Rensselaer	
2015-2016 Mengheng Xue	
2014-2015 Mateo Mengis, M.Sc.	
Control Systems Section Chief at U.S. Army Corps of Engineers, Portland, OR	
2011-2014 Zhe Wang (B.Sc./M.Sc. Shanghai Jiao Tong University)	
Researcher in China	
2013-2014 İslam Şafak Bayram (postdoc, Ph.D. from North Carolina State University)	
Assistant Professor, Hamad Bin Khalifa University, Doha, Qatar	

Doctoral Thesis Committee Membership

TBD	Hongtao Guo (BME) – Advisor Pingkun Yan
TBD	Yu Wang (ECSE) – Advisor Alhussein Abouzeid
TBD	Zaid Bin Tariq (ECSE) – Advisor Bülent Yener
TBD	Shuai Zhang (ECSE) – Advisor: Meng Wang
2020	Bariscan Yonel (ECSE) – Advisor: Birsen Yazıcı
2020	Meng Zheng (ECSE) – Advisor: Richard J. Radke
2018	Il-Young Son (ECSE) – Advisor: Birsen Yazıcı
2018	Yingshuai Hao (ECSE) – Advisor: Meng Wang
2018	Yuan Liu (ECSE) – Advisor: John Woods
2018	Gourav Saha (ECSE) – Advisor: Alhussein A. Abouzeid
2017	Eric Mason (ECSE) – Advisor: Birsen Yazıcı
2017	Hanchao Liu, (ECSE) – Advisor: Jian Sun
2015	Zhe Wang (Columbia University, EE) – Advisor: Xiaodong Wang
2015	Ning Zheng (ECSE) – Advisor: Tong Zhang

Publications

A Patent Applications and Disclosures

- 4. A. Tajer, N. Prasad, and X. Wang, "Robust Linear Precoder Designs for Multi-Cell Downlink Transmission", U.S. Patent 8,520,762
- 3. A. Tajer, N. Prasad, and X. Wang, "Robust Linear Precoder Designs for Multi-Cell Downlink Transmission", U.S. Patent 8,520,763

- 2. A. Tajer, N. Prasad, and X. Wang, "Robust Linear Precoder Designs for Multi-Cell Downlink Transmission", U.S. Patent 8,385,454
- 1. A. Tajer, N. Prasad, X. Wang, "Distributed Beamforming and Rate Allocation in Multi-antenna Cognitive Radio Networks", U.S. Patent, Application 2009/0323619 A1.

B Books

- 2. A. Tajer, S. M. Perlaza, and H. V. Poor, editors. *Advanced Data Analytics for Power Systems*. Cambridge University Press, Cambridge, UK, February 2021. ISBN-13: 9781108859806 (615 pages).
- 1. I. S. Bayram and A. Tajer. *Plug-in Electric Vehicle Grid Integration*. Artech House, Cambridge, MA, July 2017. ISBN-13: 978-1630810511 (276 pages).

C Book Chapters

- 3. J. Heydari and A. Tajer. *Data Analytics for Power Systems*, chapter Controlled Sensing Theory and Applications to Anomaly Detection in Power Systems. Cambridge University Press, Cambridge, UK, 2021.
- 2. A. Tajer and X. Wang. *Spectrum Sharing in Wireless Networks: Fairness, Efficiency, and Security*, chapter Capacity Scaling of MIMO Broadcast Channels with Finite-rate Feedback, pages 191–201. CRC Press, 2016.
- 1. A. Tajer, S. Kar, and H. V. Poor. *Smart Grid Communications and Networking*, chapter Distributed State Estimation: A Learning-based Framework, pages 191–201. Cambridge University Press, Cambridge, UK, 2012.

D Peer-Reviewed Journal Articles

Under Review

- 10. M. Zohdy, A. Tajer, and S. Shamai (Shitz). Queuing Delay in Multi Access Channels without CSIT. *IEEE Transactions on Communications*.
- 9. A. Dwivedi and A. Tajer. Graph spectral analysis for quickest line outage detection in power systems. *IEEE Transactions on Power Systems*
- 8. A. Mukherjee, A. Tajer, P. Das, and P.-Y. Chen. Controlled sensing for sequential estimation in networks. *IEEE Transactions on Signal Processing*.
- 7. S. Sihag, A. Tajer, and U. Mitra. Two-stage group testing over networks. *IEEE Transactions on Signal Processing*.
- 6. S. Sihag and A. Tajer. Structure Learning with Side Information: Sample Complexity. *IEEE Transactions on Information Theory*. (submitted October 2020)
- 5. S. Sihag, J. Heydari, and A. Tajer. Controlled sequential estimation in networked data. *IEEE Transactions on Signal Processing.* (submitted August 2019)
- 4. J. Heydari and A. Tajer. Quickest search for a change point. *IEEE Transactions on Information Theory*. (submitted August 2019)
- 3. J. Heydari, A. Tajer, and H. V. Poor. Quickest detection of markov networks. *IEEE Transactions on Information Theory*. (submitted July 2019).

Published/Accepted for Publication

- 47. A. Tajer, A. Steiner, and S. Shamai (Shitz). The broadcast approach in communication networks. *Entropy*, 23(1):1–137, January 2021.
- 46. M. Zohdy, A. Tajer, and S. Shamai (Shitz). Distributed Interference Management: A Broadcast Approach. *IEEE Transactions on Communications*, 69(1):149 163, January 2021.
- 45. S. Sihag and A. Tajer. Secure estimation under causative attacks. *IEEE Transactions on Information Theory*, 66(8):5145 5166, August 2020.

- 44. M. Zohdy, A. Tajer, and S. Shamai (Shitz). Broadcast Approach to Multiple Access with Partial CSIT. *IEEE Transactions on Communications*, 67(11):7483–7498, November 2019.
- 43. T. Allen, A. Tajer, and N. Al-Dhahir. Secure alamouti multiple access channel transmissions with multi-antenna eavesdroppers. *IEEE Wireless Communications Letters*, 8(5):1510–1513, October 2019.
- 42. S. Sihag and A. Tajer. Optimal network parameter estimation: Single-shot exchange of local decisions. *IEEE Signal Processing Letter*, 26(9):1280–1284, September 2019.
- 41. A. Tajer, S. Sihag, and K. Alnajjar. Non-linear State Recovery in Power System under Random and Structured Attacks. *Springer Journal of Modern Power Systems and Clean Energy*, 7(5):1071 1080, September 2019.
- 40. M. Zohdy and A. Tajer. Broadcast approach for the single-user energy harvesting channel. *IEEE Transactions on Communications*, 67(5):3192 3204, May 2019.
- 39. J. Heydari and A. Tajer. Quickest Search and Learning over Correlated Sequences: Theory and Application. *IEEE Transactions on Signal Processing*, 67(3):638 651, March 2019.
- 38. A. Tajer. False data injection attacks on electricity markets by limited adversaries: Stochastic robustness. *IEEE Transactions on Smart Grid*, 10(1):128–138, January 2019.
- 37. A. Tajer, M. Zohdy, and K. Alnajjar. Resource Allocation in Communication Systems under Sequential Resource Access. *IEEE Transactions on Communications*, 66(11):5608–5620, November 2018.
- 36. M. R. Mengis and A. Tajer. Data injection attacks on electricity markets by limited adversaries: Worst-case robust-ness. *IEEE Transactions on Smart Grid*, 9(6):5710–5720, November 2018.
- 35. S. Sihag and A. Tajer. Power system state estimation under model uncertainty. *Journal of Selected Topics in Signal Processing*, 12(4):593–606, August 2018.
- 34. S. Kazemi and A. Tajer. Multiaccess communication via a broadcast approach adapted to the multiuser channel. *IEEE Transactions on Communication*, 66(8):3341–3353, August 2018.
- 33. J. Heydari and A. Tajer. Quickest localization of anomalies in power grids: A stochastic graphical approach. *IEEE Transactions on Smart Grid*, 9(6):4679–4688, August 2018.
- 32. A. Tajer. Load prediction via diversified state prediction in multi-area power networks. *IEEE Transactions on Smar Grid*, 8(6):2675 2684, November 2017.
- 31. J. Heydari and A. Tajer. Quickest search for local structures in random graphs. *IEEE Transactions on Signal and Information Processing over Networks Special Issue on Graph Signal Processing*, 3(3):528–538, September 2017.
- 30. T. Allen, A. Tajer, and N. Al-Dhahir. Secure Alamouti MAC Transmissions. *IEEE Transactions on Wireless Communication*, 16(6):3674–3687, June 2017.
- 29. I. S. Bayram and A. Tajer. Exploiting pev batteries for v2x applications. IEEE Smart Grid Newsletter, May 2017.
- 28. I. S. Bayram, A. Tajer, M. Abdallah, and K. Qaraqe. A Stochastic Sizing Approach for Sharing-based Energy Storage. *IEEE Transactions on Smart Grid*, 8(3):1075–1084, May 2015.
- 27. H. Godrich, A. Nehorai, A. Tajer, M. Sabrina Greco, and C. Zhang. Special article series on signal processing education via hands-on and design projects. *IEEE Signal Processing Magazine*, 34(1):13, January 2017.
- 26. J. Heydari, A. Tajer, and H. V. Poor. Quickest Linear Search over Correlated Sequences. *IEEE Transactions on Information Theory*, 62(10):5786–5808, October 2016.
- 25. C. Gong M. Ashraphijou, A. Tajer and X. Wang. A receiver-centric approach to interference management: Fairness and outage optimization. *IEEE Transactions on Information Theory*, 62(10):5619–5642, October 2016.
- 24. A. Tajer, I. Dobson, S. Kar, J. Lavaei, and L. Xie. Theory of complex systems with applications to smart grid operations. *IEEE Transactions on Smart Grid*, 7(4):1949–1950, July 2016.
- 23. A. Tajer and J. Heydari. Quickest Wideband Spectrum Sensing over Correlated Channels. *IEEE Transactions on Communication*, 63(9):3082–3091, September 2015.

- 22. I. S. Bayram, A. Tajer, M. Abdallah, and K. Qaraqe. Capacity Planning Frameworks for Electric Vehicle Charging Stations With Multiclass Customers. *IEEE Transactions on Smart Grid*, 6(4):1934–1943, July 2015.
- 21. A. Tajer, V. V. Veeravalli, and H. V. Poor. Outlying Sequence Detection in Large Datasets A Data-Drive Approach. *IEEE Signal Processing Magazine Special Issue on Signal Processing for Big Data*, 31(5):44–56, September 2014.
- 20. W. Xu, A. Tajer, and X. Wang. Power Allocation in MISO Interference Channels with Stochastic CSIT. *IEEE Transactions on Wireless Communications*, 13(3):1716–1727, March 2014.
- 19. C. Gong, A. Tajer, and X. Wang. Distributed Real-time Energy Scheduling in SmartGrid: Stochastic Model and Fast Optimization. *IEEE Transactions on Smart Grid*, 4(3):1476 1489, September 2013.
- 18. A. Tajer and H. V. Poor. Quick Search for Rare Events. *IEEE Transactions on Information Theory*, 59(7):4462 4481, July 2013.
- 17. G. H. Jajamovich, A. Tajer, and X. Wang. Minimax-Optimal Hypothesis Testing with Estimation-dependent Costs. *IEEE Transactions on Signal Processing*, 60(12):6151–6165, December 2012.
- 16. S. Cui, Z. Han, S. Kar, T. T. Kim, H. V. Poor, and A. Tajer. Coordinated Data-Injection Attack and Detection in the Smart Grid: A Detailed Look at Enriching Detection Solutions. *IEEE Signal Processing Magazine*, 29(5):106–115, September 2012.
- 15. A. Tajer, R. Castro, and X. Wang. Adaptive sensing of congested spectrum bands. *IEEE Transactions on Information Theory*, 58(9):6110–6125, September 2012.
- 14. C. Gong, A. Tajer, and X. Wang. Group Decoding for Multi-Relay Assisted Interference Channel. *EEE Journal of Selected Areas in Communications*, 30(8):1489 1499, August 2012.
- 13. A. Tajer and X. Wang. (*n*; *K*)-user Interference Channel: Degrees of Freedom. *IEEE Transactions on Information Theory*, 58(8):5338 5353, August 2012.
- 12. G. V. Moustakides, G. H. Jajamovich, A. Tajer, and X. Wang. Joint detection and estimation: optimum tests and applications. *IEEE Transactions on Information Theory*, 58(7):4215–4229, July 2012.
- 11. C. Gong, O. Abu-Ella, A. Tajer, and X. Wang. Constrained Group Decoder for Interference Channels. *Journal of Communications, Special Issue on Future Directions in Computing and Networking*, 7(5):382–390, May 2012.
- 10. Z. Wang, A. Tajer, and X. Wang. Communication of Energy Harvesting Tags. *IEEE Transactions on Communications*, 60(4):1159 1166, April 2012.
- 9. C. Gong, A. Tajer, and X. Wang. Interference Channels with Partial Group Decoding. *IEEE Transactions on Communications*, 59(11):3059 3071, November 2011.
- 8. A. Tajer, A. Nosratinia, and N. Al-Dhahir. Diversity Order of In Finite-Length Symbol-by-Symbol Linear Equalization. *IEEE Transactions on Communications*, 59(9):2343 2348, September 2011.
- 7. A. Tajer and X. Wang. Information Exchange Limits in Multi-cell MIMO Cooperative Networks. *IEEE Transactions on Signal Processing*, 59(6):2927 2942, June 2011.
- 6. A. Tajer, N. Prasad, and X. Wang. Robust Linear Precoder Design for Multi-cell Downlink Transmission. *IEEE Transactions on Signal Processing*, 59(1):235–251, January 2011.
- 5. A. Tajer and X. Wang. Multiuser Diversity Gain in Cognitive Networks. *IEEE/ACM Transactions on Networking*, 18(6):1766 1779, December 2010.
- 4. A. Tajer and A. Nosratinia. Diversity Order in ISI Channels with Single-Carrier Frequency-Domain Equalizers. *IEEE Transactions on Wireless Communications*, 9(3):1022 1032, March 2010.
- 3. A. Tajer, G. H. Jajamovich, X. Wang, and G. V. Moustakides. Optimal joint target detection and parameter estimation by MIMO radar. *IEEE Journal of Selected Topics in Signal Processing*, 4(1):127–145, January 2010.
- 2. A. Tajer, N. Prasad, and X. Wang. Beamforming and rate allocation in miso cognitive radio networks. *IEEE Transactions on Signal Processing*, 58(1):362 377, January 2010.
- 1. Ali Tajer and Xiaodong Wang. Beacon-Assisted Spectrum Access with Cooperative Cognitive Transmitter and Receiver. *IEEE Transactions on Mobile Computing*, 9(1):112–126, January 2010.

E Peer-reviewed Conference Papers

- 78. S. Sihag and A. Tajer. Approximate Recovery Of Ising Models with Side Information. In *Proc. IEEE International Symposium on Information Theory*, Los Angeles, CA, June 2020
- 77. M. Zohdy, A. Tajer, and S. Shamai (Shitz). Interference Management without CSIT: A Broadcast Approach. In *Proc. IEEE International Symposium on Information Theory*, Los Angeles, CA, June 2020
- 76. Ali Tajer and Guangtao Zheng. Learning the wireless interference graph via local probes. In *Proc. International Workshop on Signal Processing Advances in Wireless Communications*, Atlanta, GA, May 2020
- 75. S. Sihag and A. Tajer. Structure Learning with Side Information: Sample Complexity. In *Proc. Conference on Neural Information Processing Systems (NeurIPS)*, Vancouver, Canada, December 2019
- 74. J. Heydari and A. Tajer. Quickest search for a change point. In *Proc. IEEE International Symposium on Information Theory*, Paris, France, July 2019
- 73. S. Sihag and A. Tajer. Structure learning of similar Ising models: Information-theoretic bounds. In *Proc. IEEE International Symposium on Information Theory*, Paris, France, July 2019
- 72. S. Sihag and A. Tajer. Secure estimation under causative attacks. In *Proc. IEEE International Symposium on Information Theory*, Paris, France, July 2019
- 71. S. Sihag and A. Tajer. Sample complexity of joint structure learning. In *Proc. IEEE International Conference on Acoustics, Speech, and Signal Processing, Brighton, UK, April 2019*
- 70. M. Zohdy and A. Tajer. A broadcast approach to the single-user energy harvesting channel. In *Proc. IEEE Global Communications Conference*, Abu Dhabi, UAE, December 2018
- 69. M. Zohdy, S. Kazemi, and A. Tajer. A broadcast approach to multiple access with partial CSIT. In *Proc. IEEE Global Communications Conference*, Abu Dhabi, UAE, December 2018
- 68. S. Sihag and A. Tajer. Non-linear state estimation in power systems under model uncertainty. In *Proc. IEEE Global Conference on Signal and Information Processing*, Anaheim, CA, Nov. 2018
- 67. J. Heydari and A. Tajer. Quickest search for a change window. In *Proc. Allerton Conference on Communi- cation, Control, and Computing,*, Monticello, IL, Oct. 2018
- 66. A. Tajer and M. Zohdy. Resource Allocation under Sequential Resource Access: Theory and Application. In *Proc. Allerton Conference on Communication, Control, and Computing, Monticello, IL, October 2018*
- 65. S. Perlaza, A. Tajer, and H. V. Poor. Simultaneous energy and information transmission: A finite block-length analysis. In *Proc. IEEE International Workshop on Signal Processing Advances in Wireless Communications,*, Kalamata, Greece, June 2018
- 64. J. Heydari and A. Tajer. Controlled sensing for multi-hypothesis testing with co-dependant actions. In *Proc. IEEE International Symposium on Information Theory*, Vail, CO, June 2018
- 63. S. Sihag and A. Tajer. Scalable network parameter estimation in the presence of anomalies. In *Proc. IEEE International Conference on Acoustics, Speech, and Signal Processing, Calgary, Canada, April 2018*
- 62. S. Sihag and A. Tajer. Distributed estimation under network model uncertainty. In *Proc. IEEE International Conference on Acoustics, Speech, and Signal Processing,* Calgary, Canada, April 2018
- 61. S. Sihag, J. Heydari, and A. Tajer. Sequential estimation of distributed parameters in networks. In *Proc. Annual Conference on Information Sciences and Systems*, Princeton, NJ, March 2018
- 60. A. Tajer. Data injection attacks in electricity markets: Stochastic robustness. In *Proc. IEEE Global Conference on Signal and Information Processing*, Monteal, Canada, November 2017
- 59. S. Sihag and A. Tajer. Secure parameter estimation: Fundamental tradeoffs. In *Proc. IEEE Global Conference on Signal and Information Processing*, Monteal, Canada, November 2017
- 58. Z. Sun J. Heydari and A. Tajer. Quickest line outage localization under unknown model. In *Proc. IEEE Global Conference on Signal and Information Processing*, Monteal, Canada, November 2017

- 57. A. Tajer. Quickest search for a transient change in a time series. In *Proc. Allerton Conference on Communication, Control, and Computing, Monticello, IL, October 2017*
- 56. S. Kazemi and A. Tajer. A broadcast approach to multiple access adapted to the multiuser channel. In *Proc. IEEE International Symposium on Information Theory*, Aachen, Germany, June 2017
- 55. J. Heydari and A. Tajer. Quickest search and learning over multiple sequences. In *Proc. IEEE International Symposium on Information Theory*, Aachen, Germany, June 2017
- 54. J. Heydari and A. Tajer. Quickest change detection in structured data with incomplete information. In *Proc. IEEE International Conference on Acoustics, Speech, and Signal Processing,* New Orleans, LA, March 2017
- 53. T. Allen, A. Tajer, and N. Al-Dhahir. Reduced-feedback an-aided secure alamouti mac transmissions. In *Proc. IEEE Global Communications Conference*, Washington, D.C., December 2016
- 52. M. Xue and A. Tajer. Worst-case robust attacks by limited adversaries against electricity markets. In *Proc. Annual Asilomar Conference on Signals, Systems, and Computers*, Pacific Grove, CA, November 2016
- 51. J. Heydari and A. Tajer. Quickest combined anomaly detection and estimation in networked data. In *Proc. Annual Asilomar Conference on Signals, Systems, and Computers*, Pacific Grove, CA, November 2016
- 50. J. Heydari and A. Tajer. Quickest search for structured subnetworks. In *Proc. 54th Allerton Conference on Communication, Control, and Computing*, Monticello, IL, October 2016
- 49. J. Heydari, A. Tajer, and H. V. Poor. Quickest detection of markov networks. In *Proc. International Symposium on Information Theory*, Barcelona, Spain, June 2016
- 48. J. Heydari and A. Tajer. A graphical approach to quickest outage localization in power grids. In *Proc. IEEE Workshop on Statistical Signal Processing*, Palma de Mallorca, Spain, June 2016
- 47. J. Heydari, A. Tajer, and H. V. Poor. Quickest search over correlated sequences under model uncertainty. In *Proc. IEEE International Conference on Acoustics, Speech, and Signal Processing*, Shanghai, China, March 2016
- 46. J. Heydari, A. Tajer, and H. V. Poor. Quickest Detection of Gauss-Markov Random Fields. In *Proc. 53rd Allerton Conference on Communication, Control, and Computing, Monticello, IL, October 2015*
- 45. J. Heydari and A. Tajer. Quickest Linear Search over Correlated Sequences. In *Proc. International Symposium on Information Theory*, Hong Kong, China, June 2015
- 44. A. Tajer and J. Heydari. Quickest Spectrum Sensing over Correlated Channels. In *Proc. International Conference on Communications*, London, UK, June 2015
- 43. I. S. Bayram, A. Tajer, M. Abdallah, and K. Qaraqe. Energy Storage Sizing for Peak Hour Utility Applications. In *Proc. International Conference on Communications*, London, UK, June 2015
- 42. H. Zebardast, A. Tajer, B. Maham, and M. Rezaee. Relay X Channel without Channel State Information at the Transmit Sides: Degrees of Freedom. In *Proc. IEEE Wireless Communications and Networking Conference*, New Orleans, LA, March 2015
- 41. A. Tajer. Diversity-based parameter estimation in complex networks. In *Proc. IEEE Global Conference on Signal and Information Processing*, Atlanta, GA, December 2014
- 40. J. Heydari and A. Tajer. Quickest Sequential Search over Correlated Sequences. In *Proc. 48rd Annual Asilomar Conference on Signals, Systems, and Computers6rd Annual Asilomar Conference on Signals, Systems, and Computers*, Pacific Grove, CA, November 2014
- 39. A. Tajer. State Recovery under Cyber Attacks in Energy Grids. In *Proc. The 8th IEEE Sensor Array and Multichannel Signal Processing Workshop*, Coruna, Spain, June 2014
- 38. S. Balaneshin, A. Tajer, and H. V. Poor. Quick search for correlated rare events in high-dimensional data. In *Proc. International Symposium on Communications, Control, and Signal Processing,* Athens, Greece, May 2014
- 37. Ali Tajer and H. V. Poor. Adaptive Block Sampling for Spectrum Sensing. In *Proc. 5th IEEE International Workshop on Computational Advances in Multi-sensor Adaptive Processing*, Saint Martin, December 2013

- 36. K. Kalbat and A. Tajer. Learning-based distributed load forecasting in energy grids. In *Proc. IEEE Global Conference on Signal and Information Processing*, Austin, TX, December 2013
- 35. A. Tajer and H. V. Poor. Quick Search for Rare Events through Sequential Group Sampling. In *Proc. 47rd Annual Asilomar Conference on Signals, Systems, and Computers*, Pacific Grove, CA, November 2013
- 34. A. Tajer and H. V. Poor. Quick Search for Rare Spectrum Opportunities. In *Proc. European Signal Processing Conference*, Marrakech, Morocco, September 2013
- 33. A. Tajer and H. V. Poor. Quick Spectrum Access via Block Sampling. In *Proc. IEEE Vehicular Technology Conference Fall*, Las Vegas, NV, August 2013
- 32. A. Tajer, N. Prasad, and X. Wang. Design of Coordinated Multi-Point (CoMP) Transmission and Reception Schemes for the 4G Cellular Downlink. In *Proc. 46rd Annual Asilomar Conference on Signals, Systems, and Computers*, Pacific Grove, CA, November 2012
- 31. A. Tajer and H. V. Poor. Hypothesis testing for partial sparse recovery. In *Proc. Annual Allerton Conference on Communication, Control, and Computing, Monticello, IL, October 2012*
- 30. A. Tajer and H. V. Poor. Cost of Proportional Fairness in Multiuser Networks. In *Proc. Annual Allerton Conference on Communication, Control, and Computing, Monticello, IL, October 2012*
- 29. C. S. Leberknight, A. Tajer, M. Chiang, and H. V. Poor. Identifying Communities of Interest Using Side Information. In *Proc. IEEE Statistical Signal Processing Workshop*, Ann Arbor, MI, August 2012
- 28. H. Godrich, A. Tajer, and H.V. Poor. Distributed target tracking in multiple widely separated radar architectures. In *Proc. IEEE Sensor Array and Multichannel Signal Process. Workshop (SAM)*, Hoboken, NJ, June 2012
- 27. A. Tajer and H. V. Poor. Quick Partial Sparse Support Recovery. In *Proc. Information Theory and Applications*, San Diego, CA, Februrary 2012
- 26. C. Gong, A. Tajer, and X. Wang. Group Decoding for Interference Channels. In *Proc. International Conference on Computing, Networking and Communications*, Manu, HI, January 2012
- 25. C. Gong, A. Tajer, and X. Wang. A Practical Coding Scheme for Interference Channel using Constrained Partial Group Decoder. In *Proc. IEEE Global Communications Conference*, Houston, TX, December 2011
- 24. A. Tajer, S. Kar, H. V. Poor, and S. Cui. Distributed joint cyber attack detection and state recovery in smart grids. In *Proc. IEEE Smart Grid Communication Conference*, Brussels, Belgium, October 2011
- 23. G. H. Jajamovich, A. Tajer, and X. Wang. Optimal combined detection and estimation. In *Proc. Allerton Conference on Communication, Control, and Computing*, Monticello, IL, October 2011
- 22. A. Tajer and H. V. Poor. Adaptive Sampling for Sparse Recovery. In *Proc. The Fourth Workshop on Information Theoretic Methods in Science and Engineering*, Helsinki, Finland, August 2011
- 21. A. Tajer, H. V. Poor, and X. Wang. Partial Group Decoding for Interference Channels. In *Proc. International Symposium on Information Theory*, Saint Petersburg, Russia, August 2011
- 20. A. Tajer, X. Wang, and H. V. Poor. Coordination Limits in MIMO Networks. In *Proc. International Symposium on Information Theory*, Saint Petersburg, Russia, August 2011
- 19. A. Tajer and X. Wang. (*n*; *K*)-user Interference Channel: Degrees of Freedom. In *Proc. International Symposium on Information Theory*, Saint Petersburg, Russia, August 2011
- 18. A. Tajer and H. V. Poor. Quick Search via Adaptive Sampling. In *International Workshop on Sequential Methodologies*, Palo Alto, CA, June 2011
- 17. A. Tajer, N. Prasad, and X. Wang. Fair Rate Adaptation in Multiuser Interference Channels. In *Proc. International Symposium on Information Theory*, Austin, TX, June 2010
- 16. A. Tajer, N. Prasad, and X. Wang. Robust Beamforming for Multi-cell Downlink Transmission. In *Proc. International Symposium on Information Theory*, Austin, TX, June 2010

- 15. A. Tajer, N. Prasad, and X. Wang. Robust Transceiver Design for the Multi-user Interference Channel. In *Proc. IEEE International Conference on Communications*, Cape Town, South Africa, May 2010
- 14. A. Tajer, R. Castro, and X. Wang. Adaptive spectrum sensing for agile cognitive radios. In *Proc. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Dallas, TX, March 2010
- 13. A. Tajer, R. Castro, and X. Wang. Adaptive spectrum sensing for agile cognitive radios. In *Proc. Information Theory and Applications*, San Diego, CA, Februrary 2010
- 12. A. Tajer, G. H. Jajamovich, X. Wang, and G. V. Moustakides. Finite-sample optimal joint target detection and parameter estimation by MIMO radars. In *Proc. the Forty-Third Asilomar Conference on Signals, Systems and Computers*, Pacific Grove, CA, Nov. 2009
- 11. A. Tajer, G. H. Jajamovich, X. Wang, and G. V. Moustakides. Finite-sample optimal joint target detection and parameter estimation by MIMO radars. In *Proc. IEEE Military Communications Conference*, Boston, MA, Oct. 2009
- 10. A. Tajer, N. Prasad, and X. Wang. Distributed Beamforming and Rate Allocation in Multi Antenna Cognitive Radio Networks. In *Proc. IEEE International Conference on Communications*, Dresden, Germany, June 2009
- 9. A. Tajer and X. Wang. Beacon-Assisted Spectrum Access with Cooperative Cognitive Transmitter and Receiver. In *Proc. IEEE International Conference on Acoustics, Speech, and Signal Processing,* Taiwan, March 2009
- 8. A. Tajer and X. Wang. Multiuser Diversity Gain in Cognitive Networks with Distributed Spectrum Access. In *Proc. IEEE Conference on Information Sciences and Systems*, Baltimore, MD, March 2009
- 7. A. Tajer, N. Prasad, and X. Wang. Distributed Rate Allocation in MISO Cognitive Networks. In *Proc. Information Theory and Applications*, San Diego, CA, Februrary 2009
- 6. A. Tajer and X. Wang. Opportunistic Multi-Antenna Downlink Transmission with Finite-Rate Feedback. In *Proc. Allerton Conference on Communication, Control, and Computing*, Monticello, IL, September 2008
- 5. A. Tajer and A. Nosratinia. Diversity Order of MMSE Single-Carrier Frequency Domain Linear Equalization. In *Proc. IEEE Global Telecommunications Conference*, Washington, D.C., November 2007
- 4. A. Tajer and A. Nosratinia. Opportunistic Cooperation via Partner Selection with MInimal Information Exchange. In *Proc. IEEE International Symposium on Information Theory*, Nice, France, June 2007
- 3. A. Tajer, A. Nosratinia, and N. Al-Dhahir. MMSE Infinite Length Symbol-by-Symbol Linear Equalization Achieves Full Diversity. In *Proc. IEEE International Symposium on Information Theory*, Nice, France, June 2007
- 2. A. Tajer and A. Nosratinia. A Broadcasting Relay for Orthogonal Multiuser Channels. In *Proc. IEEE Global Telecommunications Conference*, San Francisco, CA, November 2006
- 1. A. Tajer and B. H. Khalaj. Performance Enhancement of Cellular OFDM Based Wireless LANs by Exploiting Spatial Diversity Techniques. In *Proc. International Conference of Signal Processing*, Ankara, Turkey, 2004

Editorship & Service

Research Proposal Reviews

NSF Panel Reviewer, ENG (CAREER)	2020
NSF Panel Reviewer, CRII	2020
NSF Panel Reviewer, CISE	2020
Natural Sciences and Engineering Research (Canada)	2020
NSF Panel Reviewer, CISE	2019
DoE Panel Reviewer	2019
NSF Panel Reviewer, Big Data	2018

NSF Panel Reviewer, Big Data	2017
Israel Science Foundation	2017
US-Israel Binational Science Foundation	2017
NSF Panel Reviewer, Big Data	2016
NSF Panel Reviewer, CISE	2016
NSF Panel Reviewer, EARS	2015
NSF Panel Reviewer, CISE	2015
Israel Science Foundation	2015
NSF Panel Reviewer, RIPS	2014
NSF Panel Reviewer, Big Data	2014
• AFOSR/DDDS	2014
NSF Panel Reviewer, ENG	2013
Professional Societies	
Senior Member, IEEE	
Member IEEE Information Theory Society	
Member, IEEE Signal Processing Society	
Member, IEEE Communication Society	
Member, IEEE Power System Society	
• Member, Society for Industrial and Applied Mathematics (SIAM)	
• Member, New York Academy of Sciences	
Service to Professional Societies	
• Technical Societies Committee Member:	
- Elected Member	0010
IEEE Signal Processing Theory and Methods IEEE Signal Processing for Communications and Networking	2018 - present 2018 - 2020
- Invited Member	
IEEE Information Theory Society Online Committee IEEE Signal Processing for Communications	2018 - 2019 2016 - present
IEEE Multimedia Communications Technical Committee	2012 - 2014
Society Representation	
- IEEE Signal Processing Society's Representative on the IEEE Smart Grid Initiative	2019 - 2020
 IEEE Signal Processing Society's Representative on the IEEE Transactions on Smart Grid 	2019 - 2020
• Technical Chair	
- IEEE Global Communications Conf. (Globecom)	2020
 Asilomar Conference on Signals, Systems, and Computers 	2020

• Symposium Chair

 IEEE Global Communications Conf. (Globecom) 	2019
 IEEE Intl. Conf. on Computing, Networking and Communications (ICNC) 	2014
- IEEE Intl. Conf. on Communications and Networking	2012
Special Session Organizer	
- Asilomar Conference on Signals, Systems, and Computers	2018
- Asilomar Conference on Signals, Systems, and Computers	2014
- IEEE Workshop on CAMSAP	2015
• Tutorials Chair	
- IEEE Smart Grid Communications (SmartGridComm)	2020
• Technical Program Committee	
 IEEE Smart Grid Communications (SmartGridComm) 	2020
- IEEE International Symposium on Information Theory (ISIT)	2020
- IEEE Intl. Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	2020
 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 	2020
 ACM Special Interest Group on Measurement and Evaluation (SIGMETRICS) 	2020
 IEEE Smart Grid Communications (SmartGridComm) 	2019
 IEEE Global Signal and Information Processing (GlobalSIP) 	2019
- IEEE International Symposium on Information Theory (ISIT)	2019
- IEEE Data Science Workshop (DSW)	2019
 IEEE Wireless Communications and Networking Conf. (WCNC) 	2019
- IEEE Intl. Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	2019
 IEEE Intl. Conf. on Communications (ICC) 	2019
 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 	2019
 IEEE Global Signal and Information Processing (GlobalSIP) 	2018
 IEEE Smart Grid Communications (SmartGridComm) 	2018
- IEEE Global Communications Conf. (Globecom)	2018
- IEEE Intl. Conf. on Communications (ICC)	2018
 IEEE Intl. Conf. on Computing, Networking and Communications (ICNC) 	2018
 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 	2018
- IEEE Global Communications Conf. (Globecom)	2017
 IEEE Intl. Conf. on Communications (ICC) 	2017
 IEEE Global Signal and Information Processing (GlobalSIP) 	2017
- IEEE Workshop on Comp. Advances in Multi-Sensor Adaptive Processing (CAMSAP)	2017
 IEEE Smart Grid Communications (SmartGridComm) 	2016
- IEEE Global Communications Conf. (Globecom)	2016
 IEEE Global Signal and Information Processing (GlobalSIP) 	2016
* Machine Learning for of Cognitive Communications and Radar	
* Signal Processing for Big Data in Wireless Networks	
 IEEE Wireless Communications and Networking Conf. (WCNC) 	2016
 IEEE Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP) 	2015
 IEEE Global Signal and Information Processing (GlobalSIP) 	2015

- IEEE Global Communications Conf. (Globecom)	2015
– IEEE Intl. Conf. on Communications (ICC)	2015
 IEEE Global Signal and Information Processing (GlobalSIP) 	2014
– IEEE Intl. Symposium on Wireless Personal Multimedia Communication (WMPC)	2014
– IEEE International Wireless Symposium (IWS)	2014
– IEEE International Conf. on Communications (ICC)	2014
– IEEE International Conf. on Connected Vehicles & Expo	2013
 IEEE & CIC International Conf. on Communications 	2013
 IEEE Smart Grid Communication Conf. (SmartGridComm) 	2013
- IEEE Global Wireless Summit,	2013
 IEEE Wireless Conf. and Networking Conference 	2013
 IEEE Global Signal and Information Processing (GlobalSIP) 	2013
* Symposium on Network Theory	
* Symposium on New Sensing and Statistical Inference Methods	
* Symposium on Information Processing in Energy Grids	
– IEEE International Wireless Symposium	2013
 IEEE Smart Grid Communications (SmartGridComm) 	2012

• Peer Reviewing (Selected List)

- IEEE Transactions on Information Theory
- Annals of Statistics
- Bernoulli Journal
- IEEE Transactions on Signal Processing
- IEEE Journal of Selected Topics in Signal Processing
- IEEE Transactions on Signal and Information Processing over Networks
- IEEE Transactions on Power Systems
- IEEE Transactions on Smart Grids
- IEEE Transactions on Communications
- IEEE Transactions on Wireless Communications
- IEEE Journal of Selected Areas in Communications
- IEEE Transactions on Mobile Computing
- IEEE Transactions on Vehicular Technology
- IEEE/ACM Transactions on Networking
- IEEE Signal Processing Magazine
- IEEE Communications Magazine
- IEEE Signal Processing Letters
- IEEE Communication Letters
- IEEE Wireless Communications Letters
- EURASIP Journal on Advances in Signal Processing
- EURASIP Journal on Wireless Communications and Networking
- Cambridge University Press
- ASME Journal of Mechanical Design
- Conferences: ISIT, INFOCOM, Globecom, ICC, and ICASSP.

Service to the Institute

University, School and Departmental Committees

J	
• Faculty Award Committee (ECSE)	2020 - present
School of Engineering Awards Committee	2019 - present
Faculty Senate, Senator	2019 - present
Graduate Admission Committee (ECSE)	2015 - 2019, 2020 - present
• Faculty Recruitment Committee (ECSE)	2015 - present
Graduate Studies Committee (ECSE)	2014 - present
 Communications, Information, and Signals and Systems (ECSE) 	2014 - present
• RPI-IBM AI Research Collaboration Core Hiring Committee	2019 - 2020
Cybersecurity Analysis Team	2019 - 2020
Data Dexterity Task Force	2018 - 2019
Faculty Recruitment Committee (ECSE), Chair	2018 - 2019
Cyber Security Task Force	2018
Seminar Series Organizer (WSU, ECE)	2013 - 2014
• Graduate Studies Committee (WSU, ECE)	2012 - 2014
Other Service and Administration Activities	
Undergraduate Research Symposium – Judge	Apr. 2018
• High School Research Program – Judge	Aug. 2017
Undergraduate Research Symposium – Judge	Apr. 2017
• IEEE Signal Processing Distinguished Lectures – Organizer	2016 - present
Professional and Public Lectures	
Plenary Talks	
• IEEE Smart Grid Communications Conference (Miami, FL) Title: Data-adaptive Agile Line Outage Detection and Localization	Nov. 2015
• Cyber Physical Systems Week (Philadelphia, PA) Title: Non-asymptotic Composite Hypothesis Testing: Theory and Applications	Apr. 2013
Invited Talks	
Quickest Search for Transient Change Points	
IT58. Binghamton University (Binghamton, NY)	Jun. 2019
Secure Estimation in Adversarial Environments	
IT57. Air Force Research Lab (Rome, NY)	May 2019
Active Sensing for Quickest Event Detection in Networks	

IT58.	Shannon YouTube Channel	Nov. 2019
IT57.	National Science Foundation	Nov. 2019
IT56.	California Institute of Technology (Pasadena, CA)	Nov. 2018
IT55.	University of California, Berkeley (Berkeley, CA)	Oct. 2018
• Con	trolled Sensing under Correlated Actions	
IT54.	Information Theory and Application (U. of California San Diego, La Jolla, CA)	Feb. 2018
• Opt	imization under Sequential Resource Access	
IT53.	Sharif University of Technology (Tehran, Iran)	Feb. 2018
• Qui	ckest Search for Local Structures in Random Graphs	
IT52.	Syracuse University (Syracuse, NY)	Feb. 2018
IT51.	Shanghai Jiao Tong University (Shanghai, China)	Oct. 2017
IT50.	Tongji University (Shanghai, China)	Oct. 2017
IT49.	Southeast University - School of Information Science and Eng'g (Nanjing, China)	Oct. 2017
IT48.	Southeast University - School of Mathematics (Nanjing, China)	Oct. 2017
IT47.	University of Science and Technology of China (Hefei, China)	Oct. 2017
IT46.	Carnegie Mellon University (Pittsburgh, PA)	May 2017
IT45.	Information Theory and Application (U. of California San Diego, La Jolla, CA)	Feb. 2017
IT44.	Texas A&M University - Doha (Doha, Qatar)	Jan. 2017
IT43.	State University of New York - Albany (Albany, NY)	Nov. 2016
	Lund University	Aug. 2016
• Oui	ckest Search for Anomalies in Networked Data	
Qui		
	General Electric (Schenectady, NY)	May 2016
IT41.	General Electric (Schenectady, NY) Information Theory and Application (U. of California San Diego, La Jolla, CA)	May 2016 Feb. 2016
IT41. IT40.	·	_
IT41. IT40. IT39.	Information Theory and Application (U. of California San Diego, La Jolla, CA)	Feb. 2016
IT41. IT40. IT39. IT38.	Information Theory and Application (U. of California San Diego, La Jolla, CA) Boğaziçi University (Istanbul, Turkey)	Feb. 2016 Nov. 2015
IT41. IT40. IT39. IT38. IT37.	Information Theory and Application (U. of California San Diego, La Jolla, CA) Boğaziçi University (Istanbul, Turkey) Sabanci University (Istanbul, Turkey) Koç University (Istanbul, Turkey)	Feb. 2016 Nov. 2015 Nov. 2015
IT41. IT40. IT39. IT38. IT37. IT36.	Information Theory and Application (U. of California San Diego, La Jolla, CA) Boğaziçi University (Istanbul, Turkey) Sabanci University (Istanbul, Turkey) Koç University (Istanbul, Turkey) University of Pittsburgh (Pittsburgh, PA)	Feb. 2016 Nov. 2015 Nov. 2015 Nov. 2015
IT41. IT40. IT39. IT38. IT37. IT36. IT35.	Information Theory and Application (U. of California San Diego, La Jolla, CA) Boğaziçi University (Istanbul, Turkey) Sabanci University (Istanbul, Turkey) Koç University (Istanbul, Turkey)	Feb. 2016 Nov. 2015 Nov. 2015 Nov. 2015 Feb. 2014
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IT41. IT40. IT39. IT38. IT37. IT36. IT35. IT34. • Fun IT33. IT32. • Data IT31. IT30. • Sean IT29.	Information Theory and Application (U. of California San Diego, La Jolla, CA) Boğaziçi University (Istanbul, Turkey) Sabanci University (Istanbul, Turkey) Koç University (Istanbul, Turkey) University of Pittsburgh (Pittsburgh, PA) New Jersey Institute of Technology (Newark, NJ) Illinois Institute of Technology (Chicago, IL) damental Limits of Spectrum Sensing National Science Foundation (Arlington, VA) American Association for Advancement of Science (Washington, D.C.) a-adaptive Agile Line Outage Detection and Localization IEEE Statistical Signal Processing Workshop (Palma de Mallorca, Spain) University of Vermont (Burlington, VT)	Feb. 2016 Nov. 2015 Nov. 2015 Nov. 2015 Feb. 2014 Feb. 2014 Jan. 2014 Mar. 2016 Mar. 2012 Jun. 2016 Oct. 2015
IT41. IT40. IT39. IT38. IT37. IT36. IT35. IT34. • Fun IT33. IT32. • Data IT31. IT30. • Sean IT29. IT28.	Information Theory and Application (U. of California San Diego, La Jolla, CA) Boğaziçi University (Istanbul, Turkey) Sabanci University (Istanbul, Turkey) Koç University (Istanbul, Turkey) University of Pittsburgh (Pittsburgh, PA) New Jersey Institute of Technology (Newark, NJ) Illinois Institute of Technology (Chicago, IL) damental Limits of Spectrum Sensing National Science Foundation (Arlington, VA) American Association for Advancement of Science (Washington, D.C.) a-adaptive Agile Line Outage Detection and Localization IEEE Statistical Signal Processing Workshop (Palma de Mallorca, Spain) University of Vermont (Burlington, VT) sch for Correlation Structures in Networked Data Tufts University (Medford, MA)	Feb. 2016 Nov. 2015 Nov. 2015 Nov. 2015 Feb. 2014 Feb. 2014 Jan. 2014 Mar. 2016 Mar. 2012 Jun. 2016 Oct. 2015

• Coordination Limits in Wireless Networks

IT25. Imperial College London (London, UK)	Apr. 2014
IT24. Rensselaer Polytechnic Institute Troy, NY)	Mar. 2014
IT23. Purdue University (West Lafayette, IN)	Mar. 2014
IT22. George Mason University (Fairfax, VA)	Mar. 2014
IT21. Pennsylvania State University (State College, PA)	Mar. 2014
IT20. Virginia Polytechnic Institute and State University (Blacksburg, VA)	Feb. 2014
IT19. Georgia Institute of Technology (Atlanta, GA)	Mar. 2012
IT18. University of Minnesota (Minneapolis, MN)	Mar. 2012
IT17. University of Massachusetts (Amherst, MA)	Mar. 2012
IT16. Boston University (Boston, MA)	Mar. 2012
IT15. Tufts University (Medford, MA)	Mar. 2012
IT14. Qualcomm, Inc. (San Diego, MA)	Jan. 2012
Quick Search over Correlated Sequences	
IT13. Information Theory and Application (U. of California San Diego, La Jolla, CA)	Feb. 2014
Distributed Inference and Resource Management in Power Systems	
IT12. Temple University (Philadelphia, PA)	Nov. 2013
IT11. New Jersey Institute of Technology (Newark, NJ)	Feb. 2013
IT10. New York University (Brooklyn, NY)	Apr. 2012
IT9. Wayne State University (Detroit, MI)	Mar. 2012
Quick Search for Rare Events	
IT8. Information Theory and Application (U. of California San Diego, La Jolla, CA)	Feb. 2012
IT7. Rutgers University (New Brunswick, NJ)	Nov. 2011
IT6. Stanford University (Palo Alto, CA)	Jun. 2011
Interference Management via Group Decoding	
IT5. University of Illinois Chicago (Chicago, IL)	Mar. 2011
IT4. Alcatel Lucent Bell Labs (Murray Hill, NJ)	Mar. 2011
IT3. Information Theory and Application (U. of California San Diego, La Jolla, CA)	Feb. 2011
IT2. Broadcom	Jun. 2010
IT1. Alcatel Lucent Bell Labs (Murray Hill, NJ)	Apr. 2010

January 20, 2021