

Abad Torres, Jackeline

1. Abad Torres, J.; Roy, S., "Connecting network graph structure to linear–system zero structure," American Control Conference (ACC), 2013, vol., no., pp.6114,6119, 17–19 June 2013
2. Abad Torres, Jackeline, and Sandip Roy. "Graph–Theoretic Characterizations of Zeros for the Input–Output Dynamics of Complex Network Processes." International Journal of Control just–accepted (2013): 00–00.

Carosino, Michael

1. M. Carosino, Y. Chen, B.J. Belzer, K. Sivakumar, J. Murray and P. Wettin, "Iterative Detection and Decoding for the Four–Rectangular–Grain TDMR Model," presented at the Allerton Conference on Communication, Control and Computing, 2013.

Cilingir, Gokcen

1. Cilingir, G., A.O.T. Lau, and S.L. Broschat, "ApicoAMP: The first computational model for identifying apicoplast targeted transmembrane proteins in Apicomplexa," Journal of Microbiological Methods, vol. 95, pp. 313–319, 2013.

Cui, Cewei

1. Cewei Cui, Zhe Dang, Thomas R. Fischer, Oscar H. Ibarra: Similarity in languages and programs. Theor. Comput. Sci. 498: 58–75 (2013)
2. Cewei Cui, Zhe Dang, Thomas R. Fischer, Oscar H. Ibarra: Execution Information Rate for Some Classes of Automata. LATA 2013: 226–237

Das, Barnan

1. B. Das, N. Krishnan, and D. Cook. wRACOG: A Gibbs sampling–basedoversampling technique. Proceedings of the IEEE International Conference onData Mining, 2013.
2. B. Das, N. Krishnan, and D. Cook.Handling class overlap and imbalance to detectprompt situations in smart homes. Proceedings of the ICDM Workshop onData Mining in Biomedical Informatics and Healthcare, pages 266–273, 2013
3. B. Das, N. Krishnan, and D. Cook. RACOG and wRACOG: Two probabilisticoversampling methods. IEEE Transactions on Knowledge and Data Engineering (in press).

Dawadi, P

1. P. Dawadi, D. Cook, and M. Schmitter–Edgecombe. Automated cognitive health assessment using smart home monitoring of complex tasks. *IEEE Transactions on Systems, Man, and Cybernetics: Part B*, 43(6):1302–1313, 2013.
2. P. Dawadi, D. Cook, M. Schmitter–Edgecombe, and C. Parsey. Automated assessment of cognitive health using smart home technologies. *Technology and Health Care*, 21(4):323–343, 2013.

Dhal, Rahul

1. R. Dhal and S. Roy, “Layers of Interacting Dynamic Networks : Motivation and Theory,” to be presented at American Control Conference 2013
2. R. Dhal, S. Roy and Y. Wan, “Majorizations for the Eigenvectors of Graph–Adjacency Matrices: A Tool for Complex Network Design,” International Conference on Distributed Computing and Networking (CoNeD Workshop), Mumbai 2013
3. S. Roy, R. Dhal, C. Taylor, C. Wanke, M. Xue, and Y. Wan, “Generating Representative Weather–Impact Futures for Strategic Traffic Flow Management: Airport Capacity Prediction,” in Proceedings of the 93rd American Meteorological Society Annual Meeting, Austin, TX, Jan. 6–10, 2013
4. R. Dhal, S. Roy, C. P. Taylor and C. R. Wanke, “Forecasting Weather–Impacted Airport Capacities for Flow Contingency Management: Advanced Methods and Integration” in 2013 Aviation Technology, Integration, and Operations Conference, American Institute of Aeronautics and Astronautics, 2013.
5. S. Roy and R. Dhal, “Leveraging Airborne Networks: Scene Reconstruction Using Incidental Measurements,” in AIAA Infotech@Aerospace (I@A) Conference, 0 vols. American Institute of Aeronautics and Astronautics, 2013.
6. R. Dhal and S. Roy, “Vulnerability of continuous–time network synchronization processes: A minimum energy perspective.” 52nd IEEE Conference on Decision and Control, Firenze, Italy, 10–13 Dec 2013
7. R. Dhal, J. A. Torres and S. Roy, “Link–failure detection in network synchronization processes,” 2013 IEEE GlobalSIP Symposium on Network Theory, 3–5 Dec, Austin, TX

Feuz, Kyle

1. D. Cook, K. Feuz, and N. Krishnan. Transfer learning for activity recognition: A survey. *Knowledge and Information Systems*, 36(3):537–556, 2013.

2. K. Feuz and D. Cook. Real-time annotation tool (RAT). Proceedings of the AAI Workshop on Activity Context-Aware System Architectures, 2013.

Goodfellow, Ryan

1. Ryan Goodfellow, Robert Braden, Terry Benzel, and David E. Bakken. 2013. First steps toward scientific cyber-security experimentation in wide-area cyber-physical systems. In Proceedings of the Eighth Annual Cyber Security and Information Intelligence Research Workshop (CSIRW '13), Frederick Sheldon, Annarita Giani, Axel Krings, and Robert Abercrombie (Eds.). ACM, New York, NY, USA, , Article 39 , 4 pages.
DOI=10.1145/2459976.2460021 <http://doi.acm.org/10.1145/2459976.2460021>

Haque, Md

1. Haque, M. , Holder, L., Skinner, M., & Cook, D. (2013). Generalized Query Based Active Learning to Identify Differentially Methylated Regions in DNA. Computational Biology and Bioinformatics, IEEE/ACM Transactions on (Volume:PP , Issue: 99) http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6514874&tag=1

Hong, Junho

1. J. Hong, C.-C. Liu and M. Govindarasu, "Integrated Anomaly Detection for Cyber security of the Substations," Approved for publication in IEEE Trans. Smart Grid, 2013.
2. J. Hong and C.-C. Liu, "Cyber-Physical Security of a Power Grid Based on Events at Substations," The 12th International Workshop on Electric Power Control Centers (EPCC), June 2013. [Online]. Available: <http://www.epcc-workshop.net/assets/downloads/hong-cyber-physical-securi...>

Majumder, Turbo

1. Turbo Majumder, Partha Pande, Ananth Kalyanaraman, "Network-on-Chip with Long-Range Wireless Links for High-Throughput Scientific Computation," to appear in Proceedings of 2013 IEEE International Symposium on Parallel and Distributed Processing Workshops (IPDPSW).
2. Turbo Majumder, Partha Pratim Pande, Ananth Kalyanaraman, "High-throughput, energy-efficient network-on-chip-based hardware accelerators," Sustainable Computing: Informatics and Systems, Available online 4 February 2013 (<http://dx.doi.org/10.1016/j.suscom.2013.01.001>).

Minteer, Tim

1. "Nonequivalence of the Magnetostatic Potential Energy Corresponding to the Ampere and Grassmann Current Element Force Formulas" accepted by the European Journal of Physics (# 455416), provisionally scheduled for publication March 2013. I have reviewed the proof for this paper and submitted the corrections for final publication. Here is a link to the EJP website showing forthcoming articles:
<http://iopscience.iop.org/0143-0807/page/Forthcoming%20articles>
2. "Instructive Insights Into Static Current Distributions Moving at Relativistic Velocities": submitted to European Journal of Physics 1/15/2013 (# 459690), currently under review.

Murray, Jacob

1. Jacob Murray, Rajath Hegde, Teng Lu, Partha P. Pande, Behrooz Shirazi. 2013. "Sustainable Dual-Level DVFS-enabled NoC with on-chip Wireless Links". In Proceedings of the International Symposium on Quality Electronic Design (ISQED'13). Santa Clara, CA, USA, 135-142
2. Paul Wettin, Jacob Murray, Partha P. Pande, Behrooz Shirazi, Amlan Ganguly. 2013. "Energy-Efficient Multicore Chip Design through Cross-Layer Approach". In Proceedings of Design, Automation & Test in Europe (DATE'13). Grenoble, France.
3. Jacob Murray, Teng Lu, Partha P. Pande, Behrooz Shirazi. 2013. "Sustainable DVFS-enabled Multi-Core Architectures with on-chip Wireless Links". Advances in Computers Green and Sustainable Computing Part II Volume 88, 125-158.

Nazerfard, Ehsan

1. E. Nazerfard and D. Cook, Using Bayesian Networks for Daily Activity Prediction, Proceedings of the AAAI Workshop on Plan, Activity and Intent Recognition (PAIR), 2013

Nezam Sarmadi, Arash

1. S.A. Nezam Sarmadi and V. Venkatasubramanian, "Electromechanical Mode Estimation Using Recursive Adaptive Stochastic Subspace Identification," IEEE Trans. on Power Systems, Early Online View.

Ning, Jiawei

1. J. Ning, X. Pan and V. Venkatasubramanian "Oscillation Modal Analysis from Ambient Synchrophasor Data using Distributed Frequency Domain Optimization", IEEE Trans on Power Systems. It was accepted in Feb. 2013.

Ray, Abhik

1. S. Chowdhury, L.B. Holder, G. Chin, A. Ray, S. Beus, and J. T. Feo, "StreamWorks – A system for Dynamic Graph Search", ACM SIGMOD 2013 Demo Track Paper, October 2013.

Rytsareva, Inna

1. I. Rytsareva, T. Chapman, and A. Kalyanaraman. Parallel algorithms for clustering biological graphs on distributed and shared memory architectures. International Journal of High Performance Computing and Networking: Special issue on Architectures and Algorithms for Irregular Applications (IJHPCN), In Press, 2013.

Sah, Suman

1. S. P. Sah, P. Agarwal, and D. Heo, "On the Effects of Mismatch on Quadrature Accuracy in Tapped Capacitor Load Independent Quadrature Oscillators", IEEE Trans. Circuits and Systems (TCAS-I), In Press, Aug, 2013.
2. S. P. Sah, X. Yu and D. Heo, "Design and Analysis of an Ultra-Wideband 15–35 GHz Quadrature Phase-Shifter with Inductive Loading", IEEE Trans. Microwave Theory & Tech., vol. 68, no. 8, pp. 3024–3033, Aug. 2013. (Most downloaded article in TMTT for the month of Aug. 2013)
3. P. Liu, S. P. Sah, X. Yu, J. Jung, P. Upadhyaya, T. N. Nguyen, and D. Heo, "Design Techniques for Load Independent Direct Bulk-Coupled Low Power QVCO", IEEE Trans. Microwave Theory & Tech., vol. 68, no. 10, Oct 2013.
4. S. P. Sah and D. Heo, "A Low Power K- and Ka-band Receiver for Beamforming Applications", In Proc. of Semiconductor Research Corporation TECHCON 2013, Sept. 2013.
5. S. P. Sah, X. Yu, P. Agarwal, Hooman Rashtian, P. P. Pande, D. Heo and Shahriar Mirabbasi, "A V-band Wide Locking Range Injection Locked CMOS VCO for Wireless Network-on-Chip Receiver ", in Proceedings of IEEE MTT Intl. Microwave Symposium (IMS) 2013, June 2013
6. S. P. Sah, S. Zhu, T. N. Nguyen, X. Yu and D. Heo, "A 12–40 GHz Low Phase Variation Highly Linear BiCMOS Variable Gain Amplifier ", in Proceedings of ISCAS 2013, pp. 1119–1122, 19–23, May 2013.
7. S. P. Sah and D. Heo, "An Ultra-Wideband 15–35 GHz Phase-Shifter for Beamforming Applications ", in Proceedings of The European Microwave Integrated Circuits Conference (EuMIC) 2013.

8. Y. You, S. Zhu, K. F. Warnick, S. P. Sah, and D. Heo, "A Low Phase Error X-band Eight-Channel SiGe PIN Diode Phased Array Receiver," in Proceedings of The European Microwave Integrated Circuits Conference (EuMIC), 2013.
9. S. Zhu, Y. You, K. F. Warnick, S. P. Sah and D. Heo, "An 8-channel Ku Band Transmitter Beamformer with Low Gain/Phase Imbalance between Channels", in Proceedings of European Microwave Conference (EuMC), 2013.
10. P. Agarwal, S. P. Sah, Deukhyoun Heo, "A Novel Pull-Down Network for 0.75-1 GHz ZigBee PLL with 6.7dB Improvement in Reference Spur", in Proceedings of Asia Pacific Microwave Conference (APMC) 2013.

Stone, Chris

1. C. Stone and A. Mehrizi-Sani, "Improved Dynamic Response for LCC-Based HVDC Systems," presented and published at 2013 HVDC & FACTS Conference
2. C. Stone and A. Mehrizi-Sani, "Set Point Adjustment Strategy for Mitigating Transients in a Microgrid," to be presented and published at IECON 2013, Vienna, Austria.

Thomas, Brian

1. D. Cook, A. Crandall, B. Thomas, and N. Krishnan. CASAS: A smart home in a box. IEEE Computer, 46(7):62-69, 2013.

Wang, Guanqun

1. G. Wang, C. -C. Liu, N. Bhatt, E. Farantatos, and K. Sun, "Observability for PMU-based monitoring of nonlinear power system dynamics," Bulk Power System Dynamics and Control - IX Optimization, Security and Control of the Emerging Power Grid (IREP) conference, Rethymno, Greece, 2013.

Williams, Jennifer

1. J. Williams, A. Weakley, D. Cook, and M. Schmitter-Edgecombe. Machine learning techniques for diagnostic differentiation of mild cognitive impairment and dementia. Proceedings of the AAAI Workshop on Expanding the Boundaries of Health Informatics Using AI, 2013.

Wemlinger, Zachary

1. D. Cook, N. Krishnan and Z. Wemlinger. Learning a taxonomy of predefined and discovered activity patterns. Journal of Ambient Intelligence and Smart Environments, to appear 2013.

Yazdanian, Mehrdad

1. Yazdanian, M.; Mehrizi-Sani, A., "Internal Model-Based Current Control of the RL Filter-Based Voltage-Sourced Converter," IEEE Transactions on Energy Conversion, , vol.PP, no.99, pp.1-9.
2. Yazdanian, M.; Mehrizi-Sani, A., "Distributed Control Techniques in Microgrids," IEEE Transactions on Smart Grid, vol.PP, no.99, pp.1,1
3. M. Yazdanian, A. Mehrizi-Sani, and M. Mojiri, "A novel approach for ringdown detection using extendedKalman filter," in Ind. Electron. Soc. Annu. Conf. (IECON 13), Vienna, Austria, Nov. 2013.

Yu, Xinmin

1. X. Yu, D. Heo, P. P. Pande, and S. Mirabbasi, "A 60-GHz LNA with Feed-Forward Bandwidth Extension Technique for Wireless NoC Application", in Proc. of The European Microwave Integrated Circuits Conference (EuMIC), Oct 2014. Accepted for Presentation.
2. X. Yu, J. Baylon, P. Wettin, D. Heo, P. Pande and S.Mirabasi, "Architecture and D design of Multi-Channel Millimeter Wave Network-on-Chip", Accepted for IEEE Design and Test Magazine.

Zhou, Yunyun

1. Zhou, Y., D.R. Call, and S.L. Broschat, "Whole-proteome analysis of twelve species of Alphaproteobacteria links four pathogens," Pathogens, vol. 2, pp. 627-635, 2013. doi: 10.3390/pathogens2040627.
2. Zhou, Y., D.R. Call, and S.L. Broschat, ``Using protein clusters from whole proteomes to construct and augment a dendrogram,’’ Advances in Bioinformatics, vol. 2013, Article ID 191586.