

## Carter, Adam

1. Carter, A. S. (2012). Supporting the virtual design studio through social programming environments. In Proceedings of the ninth annual international conference on International computing education research (pp. 157–158). Presented at the ICER 2012, Auckland, New Zealand: ACM.
2. Zollars, R., Carter, A. S., & Hundhausen, C. (2012). The impact of studio-based learning on the delivery of course information. In ASEE Annual Conference.

## Cilingir, Gokcen

1. Cilingir G, Broschat SL, Lau AOT: ApicoAP: The First Computational Model for Identifying Apicoplast-Targeted Proteins in Multiple Species of Apicomplexa. PLoS ONE 2012, 7(5).

## Dhal, Rahul

1. M. Xue, R. Dhal, S. Roy, C. P. Taylor, C. R. Wanke, and J. J. Huhn, "Enhancement of an Influence-Model-Based Weather-Impact Simulator Using Storm-Motion Forecasts," 2012 AIAA Modeling and Simulation Technologies Conference, Minneapolis, Minnesota, 13–16 August 2012.
2. R. Dhal and S. Roy, "Layered Moment-Linear Network Models as Tools for Strategic Air Traffic Flow Management," 2012 AIAA Infotech@Aerospace Conference, Garden Grove, California, 19–21 June 2012.
3. S. Roy, M. Xue, R. Dhal, J. A. Torres, C. Alex and C. Chen, "Security of airborne network dynamics and algorithms: a graph-theoretic perspective," Proceedings of the first ACM MobiHoc workshop on Airborne Networks and Communications, pp 19–24, 2012.

## Gerik, Colby M.

1. C. M. Gerik, M. A. Turi, and J. G. Delgado-Frias, "FinFET 3T and 3T1D dynamic RAM cells," in Proceedings of 55th IEEE International Midwest Symposium on Circuits and Systems, pp. 454–457, Aug. 5–8, 2012, Boise, ID.

## Hong, Junho

1. J. Hong, A. Stefanov, C.-C. Liu, M. Govindarasu, "Cyber-physical security in a substation," IEEE Power and Energy Society General Meeting, 22–26 July 2012.
2. C.-C. Liu, A. Stefanov, J. Hong, "Intruders in the Grid," Power and Energy Magazine, IEEE, vol. 10, no. 1, pp. 58–66, Jan. 2012.

## Islam, Rokibul

1. Rokibul Islam, William Lekobou, Erik Wemlinger and Patrick Pedrow, "COMSOL Modeling of Transport of Neutral Radicals to Substrate Surfaces Located Downstream from an Atmospheric Pressure Weakly Ionized Plasma Reactor", Bulletin of the American Physical Society, 65th Annual Gaseous Electronics Conference, Volume 57, Number 8, October 22–26, 2012; Austin, Texas.

## Kansal, Prashant

1. P.Kansal and A.Bose, "Bandwidth and Latency Requirements for Smart Transmission Grid Applications," IEEE Transactions on Smart Grid.

## Long, Seth

1. S. Long and L. Holder, "Graph-Based MRI Brain Scan Classification and Correlation Discovery," IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology (CIBCB), May 2012.

## Majumder, Turbo

1. Majumder, T.; Borgens, M.E.; Pande, P.P.; Kalyanaraman, A., "On-Chip Network-Enabled Multicore Platforms Targeting Maximum Likelihood Phylogeny Reconstruction," Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on , vol.31, no.7, pp.1061,1073, July 2012.
2. Majumder, T.; Sarkar, S.; Pande, P.P.; Kalyanaraman, A., "NoC-Based Hardware Accelerator for Breakpoint Phylogeny," *Computers, IEEE Transactions on* , vol.61, no.6, pp.857,869, June 2012.

## Minteer, Tim

1. "Recasting of Maxwell's Stress Equation for Electrostatics Part I: A Boson Interaction Model for the Poincare Stress of an Isolated, Spherically Symmetric Static Charge Distribution": submitted to Foundations of Physics 8/2/2012 (# FOOP-D-12-00214), currently under review.
2. "Recasting of Maxwell's Stress Equation for Electrostatics Part II: A Boson Interaction Model for the Coulomb and Poincare Stresses of Two Separated, Spherically Symmetric Static Charge Distributions": submitted to Foundations of Physics 8/4/2012 (# FOOP-D-12-00216), currently under review.
3. "Recasting of Maxwell's Stress Equation for Magnetostatics: A Boson Interaction Model for the Pinch and Neumann Stresses of Two Separated, Differential Current Elements": submitted to Foundations of Physics 11/4/2012 (# FOOP-D-12-00373), currently under review.

4. "Electrostatic Stress: Insightful Analysis and Manipulation of Maxwell's Stress Equation for Electrostatics": submitted to IEEE Transactions on Dielectrics and Electrical Insulation 11/18/2012 (# 3840), currently under review.
5. "Magnetostatic Stress: Insightful Analysis and Manipulation of Maxwell's Stress Equation for Magnetostatics": submitted to IEEE Transactions on Magnetics 11/26/2012 (# TMAG-12-11-0746), currently under review.

## Murray, Jacob

1. Jacob Murray, John Klingner, Partha P. Pande, Behrooz Shirazi. 2012. "Sustainable Multi-Core Architecture with On-Chip Wireless Links". In Proceedings of the Great Lakes Symposium on VLSI (GLSVLSI'12). Salt Lake City, UT, USA ACM, 263-266.
2. Jacob Murray, Partha P. Pande, Behrooz Shirazi. 2012. "DVFS-Enabled Sustainable Wireless NoC Architecture". In Proceedings of the IEEE International SOC Conference (IEEE-SOCC'12). IEEE, Niagara Falls, NY, USA, 301-306.

## Nazerfard, Ehsan

1. Ehsan Nazerfard and Diane Cook, "Bayesian Networks Structure Learning for Activity Prediction in Smart Homes", Proceedings of IEEE International Conference on Intelligent Environments (IE), 2012

## Ning, Jiawei

1. J. Ning, X. Pan, and V. Venkatasubramanian, "Oscillation Modal Analysis From Ambient Synchrophasor Data Using Distributed Frequency Domain Optimization", IEEE Trans. Power Syst., Volume: 28, Issue: 2 2013 G. Liu, J. Ning, Z. Tashman, V. Venkatasubramanian, and P. Trachian, "Oscillation Monitoring System Using Synchrophasors", Proc. IEEE PES General Meeting, San Diego, CA, United States, 2012

## Poon, Kenny

1. K. K. Y. Poon, R. Emami, A. Bose, A. Abur, "External Data Exchange Issues for State Estimation in Power Systems", IEEE Transactions on Power Systems, vol. 27, no. 2, pp. 849-856, May 2012.

## Ray, Abhik

1. A. Ray and L. Holder, "Efficiency Improvements for Parallel Subgraph Miners," International Conference of the Florida Artificial Intelligence Research Society (FLAIRS), May 2012.

2. S. Choudhury, L.B. Holder, A. Ray, G. Chin Jr., J.T. Feo, "Continuous Queries for Multi-Relational Graphs", Pacific Northwest National Laboratory Technical Report (PNNL-SA-90326), August 2012.

## Rytsareva, Inna

1. I. Rytsareva, Q. Le, E. Conner, A. Kalyanaraman, J. Panchal. Evaluating socio-technical coordination in open-source communities: A cluster-based approach. Proc. ASME International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE), Accepted, 2012.

## Sah, Suman

1. P. Liu, S. P. Sah, J. Jung, P. Upadhyaya, D. Heo, "Load Independent Bulk-Coupled Low Power Quadrature LC VCO", International Microwave Symposium 2012, Montreal, June 2012
2. A. O. Mikul, S. Zhu, P. Sun, Y. You, S. P. Sah, D. Heo, "Low Phase Imbalance Broadband Attenuator based on SiGe PIN Diode", International Microwave Symposium 2012

## Sedeno, Javier Guerrero

1. V. Venkatasubramanian, J. Su, J. Guerrero, H. Chun, F. Habibi-Ashrafi, A. Salazar, "Hierarchical Two-Level Voltage Controller for Southern California Edison", IEEE PES General Meeting 2012

## Torres, Jackeline Abad

1. S. Roy, M. Xue, R. Dhal, J. Abad Torres, C. Alex, and C. W. Chen, "Security of Airborne Network Dynamics and Algorithms: A Graph-Theoretic Perspective," Workshop on Airborne Networks and Communications, 13th International Symposium on Mobile Ad Hoc Networking and Computing, Hilton Head Island, South Carolina, June 11-14, 2012.
2. Abad Torres, J.; Roy, S., "Cramer-Rao bounds on eigenvalue estimates from impulse response data: The multi-observation case," Decision and Control (CDC), 2012 IEEE 51st Annual Conference on, vol., no., pp.2128,2133, 10-13 Dec. 2012.

## Turi, Michael

1. Z. Zhang, M. A. Turi, and J. G. Delgado-Frias, "SRAM leakage in CMOS, FinFET, and CNTFET technologies," in Proceedings of 22nd ACM Great Lakes Symposium on VLSI, pp. 267-270, May 3-4, 2012, Salt Lake City, UT.

2. C. M. Gerik, M. A. Turi, and J. G. Delgado-Frias, "FinFET 3T and 3T1D dynamic RAM cells," in Proceedings of 55th IEEE International Midwest Symposium on Circuits and Systems, pp. 454–457, Aug. 5–8, 2012, Boise, ID.

## Xue, Mengran

1. M. Xue, S. Roy, and S. K. Das, "Security and Discoverability of Spread Dynamics in Cyber-Physical Networks," IEEE Transactions on Parallel and Distributed Systems, doi: 10.1109/TPDS.2012.59, February 2012.
2. M. Xue, S. Roy, S. Warnick, and A. Rai, "Security and Discoverability of Spread and Flow Dynamics: A Network Control Theory Perspective," 2012 Network Mapping and Measurement Conference, Tempe, AZ, March 19–20, 2012.
3. S. Roy, M. Xue, R. Dhal, J. A. Torres, C. Alex, and C. W. Chen, "Security of Airborne Network Dynamics and Algorithms: A Graph-Theoretic Perspective," Workshop on Airborne Networks and Communications, 13th International Symposium on Mobile Ad Hoc Networking and Computing, Hilton Head Island, South Carolina, June 11–14, 2012.
4. M. Xue and S. Roy, "Kronecker Products of Defective Matrices: Some Spectral Properties and Their Implications on the Observability of Complex Dynamics," 2012 American Control Conference, Montreal, Canada, 27–29 June 2012.
5. S. Roy and M. Xue, "Management of Heterogeneous Traffic in the Future National Airspace System: A Multi-Commodity Queueing-Network Approach," 2012 Infotech@Aerospace AIAA Conference, Garden Grove, California, 19–21 June 2012.
6. M. Xue, S. Roy, C. P. Taylor, C. R. Wanke, and J. J. Huhn, "Enhancement of an Influence-Model-Based Weather-Impact Simulator Using Storm-Motion Forecasts," 2012 AIAA Modeling and Simulation Technologies Conference, Minneapolis, Minnesota, 13–16 August 2012.

## Zhang, Zhe

1. Z. Zhang, M. A. Turi, and J. G. Delgado-Frias, "SRAM leakage in CMOS, FinFET, and CNTFET technologies," in Proceedings of 22nd ACM Great Lakes Symposium on VLSI, pp. 267–270, May 3–4, 2012, Salt Lake City, UT.
2. Z. Zhang, J. G. Delgado-Frias, "CNTFET SRAM cell with tolerance to removed metallic CNTs," IEEE 55th Int. Midwest Symposium on Circuits and Systems (MWSCAS), pp.186–189, 5–8 Aug. 2012.

3. Z. Zhang, J. G. Delgado-Frias, "Carbon Nanotube SRAM Design with Metallic CNT or Removed Metallic CNT Tolerant Approaches," IEEE Transactions on Nanotechnology, vol.11, no.4, pp.788-798, July 2012.

## Zhou, Yunyun

1. Zhou, Y., D.R. Call, and S.L. Broschat, "Genetic relationships among 527 Gram-negative bacterial plasmids," Plasmid, 2012, <http://dx.doi.org/10.1016/j.plasmid.2012.05.002>.