

Department of Computer Science, Publications for the Academic Year May 2016 to May 2017

We are pleased to present this list of publications by faculty in the department of Computer Science at the University of Central Florida that were published in the time period May 8, 2016 to May 7 2017. Authors who are faculty members in the department are indicated in **bold face**. Authors who are students of our faculty members are indicated with an asterisk (*) following their name. Corresponding authors are indicated with a plus sign following the name (+).

Journal Publications

1. Abbas, Alam, Sun, Qiyu and **Foroosh, Hassan**. "An Exact and Fast Computation of Discrete Fourier Transform for Polar and Spherical Grid", *IEEE Transactions on Signal Processing*, vol 65, issue 8, pp. 2033-2048, 2017.
2. Abbas, Alam, Sun, Qiyu and **Foroosh, Hassan**. "Frequency Estimation of Sinusoids from Nonuniform Samples", *EURASIP Journal of Signal Processing*, vol. 129, Pages 67–81, 2016.
3. Ahmadian, M. Plochan, Roessler, F. Z. and **Marinescu, D. C.** "SecureNoSQL: An approach for secure search of encrypted NoSQL databases in the public cloud," *International Journal of Information Management*, 37:63--74, 2017.
4. Al-Tameemi, O. *, Al-Rumaithi, A. **Chatterjee, M.** Kwiat, K. and Kamhoua, C. "Multi- Channel Distributed DSA Networks: Connectivity and Rendezvous Tradeoffs", *IEEE Transactions on Cognitive Communications and Networking*, Vol. 3, Issue 1, March 2017, pp. 67 - 81.
5. Alvari, Hamidreza *, Hajibagheri, Alireza *, **Sukthankar, Gita**, and Lakkaraju, Kiran. "Identifying community structures in dynamic networks". *Social Network Analysis and Mining*, 6(1):1–13, 2016. <http://dx.doi.org/10.1007/s13278-016-0390-5>.
6. Amjad , M. Faisal *, **Chatterjee, M.** Nakhila, O. and Zou, C. "Evolutionary Non-Cooperative Spectrum Sharing Game: Long Term Coexistence for Collocated Cognitive Radio Networks", *Wireless Communications and Mobile Computing*, Vol. 16, Issue 15, Oct. 2016, pp. 2166 - 2178.
7. Amjad, M. Faisal *, **Chatterjee, M.** and **Zou, C.** "Coexistence in Heterogeneous Spectrum through Distributed Correlated Equilibrium in Cognitive Radio Networks", *Elsevier Computer Networks*, Vol. 98, April 2016, pp. 109 - 122.
8. Amjad, Muhammad Faisal *, **Chatterjee, Mainak.** Nakhila, Omar *. **Zou, Cliff C.** "Evolutionary Non-Cooperative Spectrum Sharing Game: Long Term Coexistence for Collocated Cognitive Radio Networks", *Wiley Journal of Wireless Communications and Mobile Computing (WCM)*, Vol. 16, Issue 15, October 2016. pp 2166–2178. <http://dx.doi.org/10.1002/srep2674>
9. Atalay, Vildan and **Foroosh, Hassan**. "A Linear Well-Posed Solution to Recover High-Frequency Information for Super Resolution Image Reconstruction", *Multidimensional Systems and Signal Processing*, 2017.
10. Atalay, Vildan and **Foroosh, Hassan**. "In-band Sub-Pixel Registration of Wavelet-Encoded Images from Sparse Coefficients", *Signal, Image and Video Processing*, 2017.

11. Bhattacharjee, S. * Debroj, S. *, and **Chatterjee, M.** "Quantifying Trust for Robust Fusion while Spectrum Sharing in Distributed DSA Networks", To appear in *IEEE Transactions on Cognitive Communications and Networking*, 2017.
12. **Bölöni, L.** and **Turgut, D.** *. "Value of information based scheduling of cloud computing resources," *Future Generation Computer Systems*, vol. 71, pp. 212-220, Elsevier, June 2017. <https://doi.org/10.1016/j.future.2016.10.024>
13. Bookatz, M. Roetteler, and **P. Wocjan**, "Improved Bounded-Strength Decoupling Schemes for Local Hamiltonians," *IEEE Transactions of Information Theory*, 62(5):2881-2894, 2016.
14. **Borji, A.** + Feng, M. and **Lu, H.** "Vanishing point attracts gaze in free-viewing and visual search tasks", *Journal of Vision*, 16(14):18, 1–22, 2016.
15. **Borji***, J. Wang, C. Jay Kuo, C., and Itti, L. "Learning a combined model of visual saliency for fixation prediction", *IEEE Trans. on Image Processing*, 2016. [equal first authorship]
16. Bricout , J. C. +, Sharma, B.B. Baker, P.M.A. Behal, A. and **Bölöni, L.** "Learning Futures with Mixed Sentience." *Futures*, Vol 87, pp 91-105, Elsevier, 2017. <https://doi.org/10.1016/j.futures.2016.10.001> In early access /accepted/published after May 7.
17. Bulumelle, G. * and **Bölöni, L.** "Reducing Side-Sweep Accidents with Vehicle-to-Vehicle Communication." *Journal of Sensor and Actuator Networks*, 5(4), MDPI, 2016. <http://dx.doi.org/10.3390/jsan5040019>
18. Candemir, S., S. Jaeger, S. Antani, **Bagci, Ulas**, L. R. Folio, Z. Xu, and G. Thoma Atlas- "based rib-bone detection in chest X-rays." **Computerized Medical Imaging and Graphics**, 51, 32–39. (2016).
19. Celepli N, Sundh J, Ekman M, Dupont CL, **Yooseph S**, Bergman B, and Ininbergs K, "Meta-omic analyses of Baltic Sea cyanobacteria: diversity, community structure and salt acclimation." *Environ Microbiol*, 2016. (IF=5.932)
20. Tsz Nam Chan*, Man Lung Yiu+, and **Hua, Kien A.**+, "Efficient Sub-Window Nearest Neighbor Search on Matrix," *IEEE Transaction on Knowledge and Data Engineering (TKDE)*, Vol. 29, No. 04, April 2017, pp. 784-797.
21. Clark, S., Elswick, S., Gabriel, M., Gurupur, V., **Wisniewski, P.** + "A Patient-Centered Perspective of Health Information Systems that Support Post-Acute Care," *Journal of Integrated Design and Process Science*, (2016) , 20(1), pp. 95-110. <http://dx.doi.org/10.3233/jid-2016-0008>
22. Dehghan, Afshin and **Shah, Mubarak.** "Binary Quadratic Programing for Online Tracking of Hundreds of People in Extremely Crowded Scenes", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2017.
23. Elphick, C. Farber, M. Goldberg, F. and **Wocjan, P.** "Conjectured Bounds on the Sum of Squares of Positive Eigenvalues of a Graph," *Discrete Mathematics*, 339(9):2215-2223, 2016.
24. *Elvir, M., **Gonzalez, A. J.**, *Walls, C., & *Wilder, B. "Remembering a Conversation—A Conversational Memory Architecture for Embodied Conversational Agents". *Journal of Intelligent Systems*, (2017), 26(1), 1-21.
25. Florin, R. Ghazizadeh, P. Ghazi, Z. A. Olariu, S. and **Marinescu, D.C.** ``Enhancing Reliability and Availability Through Redundancy in Vehicular Clouds'' *IEEE Trans. on Cloud Computing*, May 2017.
26. Gjanci P., Basagni, S. Petrioli+, C. Phillips, C.A. **Bölöni, L.** and **Turgut, D.** "AUV Path Finding for Maximizing the Value of Sensed Information in Multi-modal Underwater Wireless Sensor Networks", *IEEE Transactions on Mobile Computing* (early access), May 2017. <http://dx.doi.org/doi:10.1109/tmc.2017.2706689>
27. **Gonzalez, A. J.**, *Hollister, J. R., DeMara, R. F., Leigh, J., Lanman, B., Lee, S. Y., *Parker, S.T., *Walls, C., *Parker, J., *Wong, J.M., *Barham, C. and *Wilder, B. "AI in Informal Science Education: Bringing Turing Back to Life to Perform the Turing Test." *International Journal of Artificial Intelligence in Education*, (2017). 27(2), 353-384.

28. Greenwald W, Klitgord N, Seguritan V, **Yooseph S**, Venter JC, Garner C, Nelson KE, Li W, "Utilization of defined microbial communities enables effective evaluation of meta-genomic assemblies". *BMC Genomics*, 2017. 18(1).
29. Holzhauser, Erwin *. Ge, Ping *. and **Zhang, Shaojie**. "WebSTAR3D: a web server for RNA 3D structural alignment", *Bioinformatics*, August 6, 2016; <http://dx.doi.org/10.1093/bioinformatics/btw502>
30. Hon, Wing-Kai. **Thankachan, Sharma**. and Xu, Bojian: "In-place Algorithms for Exact and Approximate Shortest Unique Substring Problems." *Theoretical Computer Science*, 2017.
31. Hussein S*, Green A, Watane A, Reiter D, Chen X, Papadakis GZ, Wood B, Cypess A, Osman M, **Bagci U***. "Automatic Segmentation and Quantification of White and Brown Adipose Tissues from PET/CT Scans." *IEEE Trans Med Imaging*, 36(3), 734-744, 2017.
32. Idrees, Haroon. Zamir, Amir R. Jiang, Yu-Gang. Gorban, Alex. Laptev, Ivan. Sukthankar, Rahul. **Shah, Mubarak**. "The THUMOS Challenge on Action Recognition for Videos in the Wild", *Computer Vision and Image Understanding*, Volume 155, February 2017, Pages 1-23.
33. H. Jiang, M. Cheng, M. Li, S.J. **Borji, A***, Wang, J. "Joint Salient Object Detection and Existence Prediction", *Frontiers in Computer Science*, 2017.
34. Külekci, M. Oguzhan. **Thankachan, Sharma V.**: "Range selection and predecessor queries in data aware space and time." *Discrete Algorithms* 43: 18-25 (2017), <http://dx.doi.org/10.1016/j.ida.2017.01.002>
35. Kulshreshth, A., *Pfeil, K., and **LaViola, J.** "Enhancing the Gaming Experience Using 3D Spatial User Interface Technologies", *IEEE Computer Graphics and Applications*, (2017).38(3):16-23.
36. Lee, Bongyong. Anupama, Sahoo, Marchica, John, Holzhauser Erwin *, Chen, Xiaoli *, Jian-Liang Li, Tatsuya Seki, Subramaniam Shyamala Govindarajan, Fatu Badiane Markey, Mona Batish, Sonali J. Lokhande, **Zhang,Shaojie**. Animesh Ray, and Ranjan J. Perera, "The long noncoding RNA SPRIGHTLY acts as an intranuclear organizing hub for pre-mRNA molecules", *Science Advances*, Vol. 3, no. 5, e1602505, 2017; <http://dx.doi.org/10.1126/sciadv.1602505>
37. Lehman, J., B. Wilder*, and **Stanley, K.O.**+, On the Critical Role of Divergent Selection in Evolvability. *Frontiers in Robotics and AI*, 3(45): 7 pages (online journal), 2016. (IF = new journal; being determined) <https://doi.org/10.3389/frobt.2016.00045>
38. Li, Kia*, Qi, Guo-Jun +, Ye, Jun, **Hua, Kien**. "Linear Subspace Ranking Hashing for Cross-modal Retrieval", *IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI)*, 2016.
39. Li X*, Zheng Y*, **Hu H***, Li X+. "Integrative analyses shed new light on human ribosomal protein gene regulation," *Scientific Reports*, 6, 28619, 2016 (2016) <http://dx.doi.org/10.1038/srep28619>
40. Loomba R, Seguritan V, Li W, Long T, Klitgord N, Bhatt A, Dulai PS, Caussy C, Bettencourt R, Highlander SK, Jones MB, Sirlin CB, Schnabl B, Brinkac L, Schork N, Chen CH, Brenner DA, Biggs W, **Yooseph S**, Venter JC, Nelson KE, "Microbiome-Based Metagenomic Signature for Noninvasive Detection of Advanced Fibrosis in Human Nonalcoholic Fatty Liver Disease." *Cell Metabolism*, 2017. 25(5). P. 1054-1062.
41. Løvliid, R. A., Bruvoll, S., Brathen, K., & **Gonzalez, A.J.**" Modeling the behavior of a hierarchy of command agents with context-based reasoning." *The Journal of Defense Modeling and Simulation*. Published on-line on April 7, 2017, #1548512917702832.
42. Lu, Wei. Wang, Weidong *, Bao, Ergude. **Wang, Liqiang** . Xing, Weiwei and Chen, Yue. "FAQS: Fast web service composition algorithm based on QoS-aware sampling". *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, 99-A(4), pp. 826-834, 2016. Japan.

43. Lu, Wei. Yang, Yong*. **Wangm, Liqiang** Xing, Weiwei. Che, Xiaoping and Chen, Lei*. "A Fault Tolerant Election-based Deadlock Detection Algorithm in Distributed Systems." To appear in *Software Quality Journal*, Springer.
44. Ma, Hanhui. Tu, Li-Chun. Naseri, Ardalan *. Huisman, Maximiliaan. **Zhang, Shaojie**. Grunwald, David and Pederson, Thoru. "CRISPR-Cas9 nuclear dynamics and target recognition in living cells", *Journal of Cell Biology*, August 22, 2016; <http://dx.doi.org/10.1083/jcb.201604115>;
45. **Marinescu, D. C.** Paya, Morrison, A. J. and Olariu, S. "An Approach for Scaling Cloud Resource Management," *Cluster Computing*, Springer Verlag, 20(1):909--924, 2017.
46. **Marinescu, D. C.** Paya, Morrison, J. "A Cloud Reservation Systems for Big Data Applications," *IEEE Trans. on Parallel and Distributed Systems*, 28(3):606--618, 2017.
47. **Marinescu, D. C.** Paya, Morrison, J. "Energy-Aware Load Balancing and Application Scaling for the Cloud Ecosystem" *IEEE Trans. on Parallel and Distributed Systems* 5(1):15--27, 2017.
48. Meade, Travis *. **Zhang, Shaojie** and Jin, Yier. "IP protection through gate-level netlist security enhancement", *Integration, the VLSI Journal*, (2016);
 - a. <http://dx.doi.org/10.1016/j.vlsi.2016.10.014>;
49. Milikan, Brian. Dutta, Aritra. Sun, Qiyu and **Foroosh, Hassan**. "Compressed Infrared Target Detection Using Stochastically Trained Least Squares", *IEEE Transactions on Aerospace and Electronics Systems*, 2017.
50. Oh, Hayoung. **Zou, Cliff C.** Park, Soyoung *. "An Enhanced Community-based Reputation System for Vehicular Ad Hoc Networks", *International Journal of Engineering and Technology (IJET)*, pp 2272-2287, Oct-Nov 2016. <http://dx.doi.org/10.21817/ijet/2016/v8i5/160805125>.
51. Papadakis, G. Z., C. Millo, A. H. Karantanas, **Bagci, Ulas**, and N. J. Patronas "Avascular Necrosis of the Hips With Increased Activity on 68Ga-DOTATATE PET/CT." *Clinical Nuclear Medicine*. (In press).(2017).
52. Papadakis, G. Z., C. Millo, S. M. Sadowski, A. H. Karantanas, **Bagci, Ulas**, and N. J. Patronas "Breast Fibroadenoma With Increased Activity on 68Ga DOTATATE PET/CT." *Clinical Nuclear Medicine* (2017). 42(2), 145--146.
53. Papadakis, G. Z., C. Millo, S. M. Sadowski, A. H. Karantanas, **Bagci, Ulas**, and N. J. Patronas (2017). "Fibrous Dysplasia Mimicking Malignancy on 68Ga-DOTATATE PET/CT". *Clinical Nuclear Medicine*. (In press).
54. Papadakis, G. Z., C. Millo, I. S. Jassel, **Bagci, Ulas**, S. M. Sadowski, A. H. Karantanas, and N. J. Patronas "18F-FDG and 68Ga DOTATATE PET/CT in von Hippel-Lindau Disease-Associated Retinal Hemangioblastoma." *Clinical Nuclear Medicine*. (2017). (In press).
55. Papadakis, G. Z., D. Mavroudis, V. Georgoulas, J. Souglakos, A. K. Alegakis, G. Samonis, **Bagci, Ulas**, A. Makrigiannakis, and O. Zoras. "Serum IGF-1 IGFBP-3 levels and circulating tumor cells (CTCs) in early breast cancer patients." *Growth Hormone & IGF Research*. (2017). (In press).
56. Pugh, J.K.*, L. Soros*, and **Stanley, K.O.** +, Quality Diversity: "A New Frontier for Evolutionary Computation." *Frontiers in Robotics and AI*, 3(40): 17 pages (online journal), 2016.
57. **Qi, Guo-Jun** +, Liu, Wei, Aggarwal, Charu, and Huang, Thomas. "Joint Intermodal and Intramodal Label Transfers for Extremely Rare or Unseen Classes", in *IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI)*, June 2016.
58. Rahmani, Hossein, Mian, Ajmal and **Shah, Mubarak**, "Learning a Deep Model for Human Action Recognition from Novel Viewpoints", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2017.

59. Raj, S. *, **Hussain, F.**, Husein, Z. *, Torosdagli, N. *, **Turgut, D.**, **Deo, N.** C Pattanaik.-C. Chang and . **Jha, S. K.**+, "A theorem proving approach for automatically synthesizing visualizations of flow cytometry data," *BMC Bioinformatics Journal*, 2017.
60. Raj, Sunny *, Hussain, Faraz, Husein, Zubir *, Torosdagli, Neslisah. Pattanaik, Sumanta and **Sumit K. Jha+**, "A theorem proving based approach for automatically synthesizing visualizations of flow cytometry data," *BMC Bioinformatics (in press)*. Year (2017)
61. Rajagopala SV, **Yooseph S**, Harkins DM, Moncera KJ, Zabokrtsky KB, Torralba MG, Tovchigrechko A, Highlander SK, Pieper R, Sender L, et al., "Gastrointestinal microbial populations can distinguish pediatric and adolescent Acute Lymphoblastic Leukemia (ALL) at the time of disease diagnosis." *BMC Genomics*, 2016. 17(1): p. 635.
62. Rosas-Salazar C, Shilts MH, Tovchigrechko A, Schobel S, Chappell JD, Larkin EK, Shankar J, **Yooseph S**, Nelson KE, Halpin RA, et al., "Differences in the Nasopharyngeal Microbiome During Acute Respiratory Tract Infection With Human Rhinovirus and Respiratory Syncytial Virus in Infancy". *J Infect Dis*, 2016. 214(12): p. 1924-1928.
63. Solmaz G. * and **Turgut, D.** +, "Modeling Pedestrian Mobility in Disaster Areas," Accepted for publication in *Pervasive Mobile Computing (Elsevier)*, May 2017.
64. Srivastava, Biplav and **Sukthankar, Gita**. "Reports on the 2016 IJCAI Workshop Series". *AI Magazine*, 37(4):94–101, 2016.
65. Tang, Bo *. Yiu, Man Lung +, and **Hua, Kien A** +. "Exploit Every Bit: Effective Caching for High-Dimensional Nearest Neighbor Search," *IEEE Transactions on Knowledge of Data Engineering (TKDE)*, Vol. 28, No. 05, May 2016, pp. 1175-1188.
66. Tang, Jinhui. Shu, Xiangbo *. **Qi, Guo-Jun** +. Li, Zechao. Wang, Meng. Yan, Shuicheng and Jain, Ramesh. "Tri-clustered Tensor Completion for Social-Aware Tag Refinement", in *IEEE Transactions on Pattern Analysis and Machine Intelligence*, September 2016.
67. Tariq, Amara and **Foroosh, Hassan**. "A Context-driven Extractive Framework for Generating Realistic Image Descriptions", *IEEE Transactions on Image Processing*, vol. 26, issue 2, pp. 619-632, 2017.
68. Tariq, Amara. Karim, Asim and **Foroosh, Hassan**. "NELasso: Building Named Entity Relationship Networks using Sparse Structured Learning", *IEEE Transaction on Pattern Analysis and Machine Intelligence*, 2017.
69. Taylor, T.+ , J. E. Auerbach, J. Bongard, J. Clune, S. Hickinbotham, C. Ofria, M. Oka, S; Risi, **Stanley, K.O.** and J. Yosinski, WebAL "Comes of Age: A Review of the First 21 Years of Artificial Life on the Web." *Artificial Life journal*, 22(3): pp. 364–407, 2016.
http://dx.doi.org/10.1162/ARTL_a_00211
70. Taylor T.+ , Bedau, M. Channon, A. Ackley, D. Banzhaf, W. Beslon, G. Dolson, E. . Froese, T S. T. Ikegami, B. McMullin, Packard, N. Rasmussen, S. Virgo N. Agmon, E. Clark, Hickinbotham, McGregor. E Ofria, S. Ropella, C. Spector, G. L. Stanley, **K.O. Stanton**, A., Timperley, C. Vostinar, A. and M. Wiser, Open-Ended Evolution: Perspectives from the OEE Workshop in York. *Artificial Life journal*, 22(3): pp. 408–423, 2016. http://dx.doi.org/10.1162/ARTL_a_00210
71. *Taranta, E., *Vargas, A., *Compton, S. and **LaViola, J.** "A Dynamic Pen-Based Interface for Writing and Editing Complex Mathematical Expressions with Math Boxes", *ACM Transactions on Interactive Intelligent Systems*, 6(2): Article 13 (25 pages), August 2016.
72. Tavakoli, H.R. **Borji, A.** +. Laaksonen, J. Rahtu, E. "Exploiting inter-image similarity and ensemble of extreme learners for fixation prediction using deep features", *Neurocomputing*, 2017.

73. **Thankachan, Sharma V.** Chockalingam, Sriram P. Liu, Yongchao. Krishnan, Ambujam. Aluru, Srinivas. "A greedy alignment-free distance estimator for phylogenetic inference." *BMC Bioinformatics*, 2017
74. Tîrnăucă, C., Montaña, J. L., Ontañón, S., **González, A. J.**, & Pardo, L. M. (2016). "Behavioral Modeling Based on Probabilistic Finite Automata": *An Empirical Study. Sensors*, 16(7), 958.
75. Torralba MG, Franks JS, Gomez A, **Yooseph S**, Nelson KE, and Grimes DJ, Effect of Macondo Prospect 252 Oil on Microbiota Associated with Pelagic Sargassum in the Northern Gulf of Mexico." *Microb Ecol*, 2017. 73(1): p. 91- 100.
76. Peter W. V. Tran-Jørgensen, Larsen, Gorm, Peter, and **Leavens, Gary T.**⁺, "Automated translation of VDM to JML-annotated Java," *International Journal on Software Tools for Technology Transfer*, 2017, Published online 11 February, 2017, 25 pages.
<http://dx.doi.org/10.1007/s10009-017-0448-3>
77. **Turgut, D.**⁺ and **Bölöni, L.** "Value of Information and Cost of Privacy in the Internet of Things," Accepted for publication in *IEEE Communications Magazine*, February 2017.
78. Vaca-Castano, Gonzalo. Das, Samarjit. Sousa, Joao P. Lobo, Niels D. and **Shah, Mubarak** "Improved Scene Identification and Object Detection on Egocentric Vision of Daily Activities", *Computer Vision Image Understanding*. Vol 156, pages: 92-103, March 2017,
<http://dx.doi.org/10.1016/j.cviu.2016.10.016>
79. Vaca-Castano, Gonzalo. Das, Samarjit. Sousa, Joao P. Lobo, Niels D. and **Shah, Mubarak**. "Improved Scene Identification and Object Detection on Egocentric Vision of Daily Activities", *Computer Vision and Image Understanding (CVIU)*, Volume 156, March 2017, Pages 92-103.
<http://dx.doi.org/10.1016/j.cviu.2016.10.016>.
80. Wang Y^{*}, **Hu H**⁺, Li X⁺. "MBMC: An Effective Markov Chain Approach for Binning Metagenomic Reads from Environmental Shotgun Sequencing Projects," *OMICS: A Journal of Integrative Biology*, 20(8), 470-479, 2016 (2016) <http://dx.doi.org/10.1089/omi.2016.0081>
81. Wang Y^{*}, **Hu H**⁺, Li X⁺. "rRNAFilter: a fast approach for ribosomal RNA read removal without a reference database," *Journal of Computational Biology*, 24(4), 368-375, 2017 (2017)
<http://dx.doi.org/10.1089/cmb.2016.0113>
82. **Wisniewski, P.**, Knijnenburg, B.P., Lipford, H.R. (2017) "Making Privacy Personal: Profiling Social Network Users to Inform Privacy Education and Nudging," *International Journal of Human-Computer Studies*, 98(2017), pp. 95-108. <http://dx.doi.org/10.1016/j.ijhcs.2016.09.006>
83. **Wocjan, P.** and Elphick, C. "An Inertial Bound for the Chromatic Number of a Graph," *Electronic Journal of Combinatorics*, vol. 24, issue 1, paper #P1.58, 2017.
84. **Wu, Annie S.** +, Pradhan, Ramya *, Carlson, Lisa J. Dacey, Raymond and Heckendorn, Robert B. "Evolution of preference orderings for the Deterrence Game," *Journal of Artificial Societies and Social Simulation*, 2017, in press.
85. Ye, Jun ^{*}, Hu, Hao ^{*} **Qi, Guo-Jun** ⁺, **Hua, Kien**. "A Temporal Order Modeling Approach to Human Action Recognition from Multimodal Sensor Data", in *ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)*, December 2016.
86. Ye, Jun ^{*}, **Hu, Hao** ^{*} **Qi, Guo-Jun** ⁺, **Hua, Kien** ⁺, "A Temporal Order Modeling Approach to Human Action Recognition from Multimodal Sensor Data," in *ACM Transactions on Multimedia Computing, Communications, and Applications*, Vol. 13, No. 2, March 2017.

87. Yang, Yong *. Lu, Wei. Xing, Weiwei. **Wang, Liqiang.** Che, Xiaoping. and Chen, Lei *. "An Algorithm for Detecting and Resolving Deadlocks in Mobile Agent Systems." *Journal of Visual Languages and Computing, Elsevier.*
88. **Zhao C***, Li X⁺, **Hu H***. "PETModule: "A motif module based approach for enhancer target gene prediction," *Scientific Reports*, 6, 30043, 2016 (2016) <http://dx.doi.org/10.1038/srep30043>
89. Zhong, Sheng-Hua *, Liu, Yan +, and **Hu, Kien A.** +. "Field Effect Deep Networks for Image Recognition with Incomplete Data," in *ACM Transactions of Multimedia Computing, Communications, and Applications (TOMM)*, Vol. 12, Issue 4, August 2016.

Books

1. **LaViola, J.**, Kruijff, E., McMahan, R., Bowman, D., and Poupyrev, I. *3D User Interfaces: Theory and Practice, Second Edition*, Addison Wesley, ISBN 0134034325, April 2017
2. **Marinescu. D. C.** *Cloud Computing; Theory and Practice*, Second Edition, 650 pages, Morgan Kaufmann, 2017.
3. **Marinescu, Dan C.** *Complex Systems and Clouds: A Self-Organization and Self-Management Perspective*. Morgan Kaufmann (Computer Science Reviews and Trends) 1st Edition, "ISBN-10: 0128040416", 2016.
4. Zamir, Amir R., Hakeem, Asaad , Gool, Luc Van, **Shah , Mubarak**, Szeliski, Richard , *Large-Scale Visual Geo-Localization*, Springer, 2016.

Book Chapters

1. Dieker, L. A., Lignugaris-Kraft, B., Hynes, M., & **Hughes, C. E.** (2016). "Mixed reality environments in teacher education: Development and future applications." *Online in Real Time: Using WEB 2.0 for Distance Education in Rural Special Education*, Eds. B. Collins & B. Ludlow, American Council for Rural Special Educators, Chapter 12, 122-131.
2. **Marinescu, D. C.**, Ryan, Florin and Olariu, Stephan. "Towards platoon-aware retiming of traffic lights in a Smart City," Chapter 1 in *Vehicle-to-Vehicle and Vehicle-to-Infrastructure Communications: A Technical Approach* Taylor& Francis LLC, CRC Press, 2017
3. Debroy, Saptarshi and **Chatterjee, Mainak**, "Radio Environment Maps and its Utility in Resource Management for Dynamic Spectrum Access Networks", *Resource Allocation in Next-Generation Broadband Wireless Access Networks*, Eds: C. Singhal and S. De. IGI Global, 2016
4. Vasudevan, M. and **Deo, N.** "Detecting and Identifying Communities in Dynamic, Complex Networks: Taxonomy and Survey," *Encyclopedia on Social Network Analysis and Mining (ESNAM)*, editor. Alhaji, Reda Revised and updated version of the 2012 for the 2nd edition, to appear in 2017.

Conference Papers with Proceedings

1. Abolghasemi, P.*, Rahmatizadeh, R *. Behal, A. and **Bölöni, L.***. "A real-time technique for positioning a wheelchair-mounted robotic arm for household manipulation tasks." In *Workshop on Artificial Intelligence Applied to Assistive Technologies and Smart Environments (ATSE-16)* at AAI-2016, February 2016.

2. Abualsamid, A.* and **Hughes, C. E.**⁺ (2016). "Language sample analysis framework utilizing the Natural Language Toolkit and Facebook." In Duffy, Vincent and Lightner, Nancy (eds.), *7th International Conference on Applied Human Factors and Ergonomics* (AHFE 2016), July 27-31, Orlando, FL. Published in *Advances in Intelligent Systems and Computing*, Volume 482, 445-456. http://dx.doi.org/10.1007/978-3-319-41652-6_41.
3. Ali, Muhamad and **Foroosh, Hassan**. "Character Recognition in Natural Scene Images using Rank-1 Tensor Decomposition," published in *Proc. IEEE International Conference on Image Processing (ICIP)*, 2016.
4. Ali, Muhamad. **Foroosh, Hassan**. "A Holistic Method to Recognize Characters in Natural Scenes, Proc". Published in *International Conference on Computer Vision Theory and Applications*, 2016.
5. Akpinar, Kutalmis. * and **Hua, Kien A** +. "EQL: Event Query Language for the Sharing of Internet-of-Things Infrastructure and Collaborative Applications Development," in Proc. of 1st *International Workshop for IoT Systems Provisioning & Management in Cloud Computing (ISyCC 2016)*, held at conjunction with IC SOC 2016, Canada, October 10-13, 2016.
6. Akpinar, Kutalmis. * and **Hua, Kien A** +. "Thing Store - An Internet of Things Management System," in Proc. of *IEEE Int'l Conference on Multimedia Big Data*, at Laguna Hills, California, April 19-21, 2017. (Invited paper)
7. Alamgir, Z. Beckmann, K. Cady, N. Velasquez, A. and **Jha, S. K**. "Flow-based computing on nanoscale crossbars: Design and implementation of full adders," in *Circuits and Systems (ISCAS)*, 2016 at *IEEE International Symposium on*, 2016, pp. 1870– 1873. <http://dx.doi.org/10.1109/ISCAS.2016.7538936>
8. Atwal, Kuldip Singh and **Bassiouni, Mostafa** "A Novel Approach for Simulation and Analysis of Cloud Data Center Applications." published in *Proceedings of the 2016 IEEE International Conference on Smart Cloud*, New York, NY, USA, November 2016.
9. Atwal, K.S. Guleria A, A. and **Bassiouni, M**. "A Scalable Peer-to-Peer Control Plane Architecture for Software Defined Networks", Published in *Proceedings of the IEEE 15th International Symposium on Network Computing and Applications (NCA)*, Cambridge, MA USA, October 31- November 2, 2016.
10. Atwal, K. S. and **Bassiouni, M**. "SoftAccess: Cloud-based Software Defined Virtualized Wireless Mobile Access Networks." Published in *Proceedings of the 2017 IEEE 5th International Conference on Mobile Cloud Computing, Services, and Engineering (Mobile Cloud)*, San Francisco, CA USA, April 7-9, 2017.
11. Arumae, Kristjan *. **Qi, Guo-Jun. Liu, Fei**. "A Study of Question Effectiveness Using Reddit "Ask Me Anything" Threads" Published in *Proceedings of the 30th Florida Artificial Intelligence Research Society Conference*, at Marco Island, Florida, May 2017. <https://aaai.org/ocs/index.php/FLAIRS/FLAIRS17/paper/view/15412>
12. Assari, Shayan Modiri. Idrees, Haroon and **Shah, Mubarak**. "Human Re-identification in Crowd Videos using Personal, Social and Environmental Constraints" Published in *the Proceedings of the European Conference on Computer Vision (ECCV)*, at Amsterdam, Netherlands, Oct. 2016. http://dx.doi.org/10.1007/978-3-319-46475-6_8
13. Atalay, Aydin Vildan and **Foroosh, Hassan**. "Motion Compensation using Critically Sampled DWT Subbands for Low-Bitrate Video Coding", Published in *IEEE International Conference on Image Processing*, 2017.
14. Al-Tameemi, O. * and **Chatterjee, M**. "A System Level Solution for DSA Systems: From Low-Cost Sensing to Spectrum Database", at *IEEE LCN*, Nov. 2016.
15. Attiah*. **Chatterjee, M** and **Zou, C**. "A Game Theoretic Approach for Energy-Efficient Clustering in Wireless Sensor Networks", at *IEEE WCNC 2017*.

16. Attiah*, Amjad, M. Faisal. **Chatterjee, M.** and **Zou, C.** ""An Evolutionary Game for Efficient Routing in Wireless Sensor Networks"", published in *IEEE GlobeCom* 2016.
17. Attiah, Afraa *. **Zou, Cliff C. Chatterjee, Mainak.** ""A Game Theoretic Approach for Energy-Efficient Clustering in Wireless Sensor Networks"", at IEEE Wireless Communications and Networking Conference (WCNC), March 2017.
18. Badillo-Urquiola, K. *, **Gosh, A.K. *** and **Wisniewski, P. †** (2017) ""Understanding the Unique Online Challenges Faced by Teens in the Foster Care System,"" Poster presented at the 2017 ACM Conference on Computer Supported Cooperative Work, in Portland, OR.
19. Badillo-Urquiola, K. *, Harpin, S., **Wisniewski, P. †** (2017) ""Abandoned but Not Forgotten: Providing Access While Protecting Foster Youth from Online Risks,"" Published in the *Proceedings of the 2017 ACM Conference on Interaction Design and Children*, Stanford, CA.
20. Barmaki, R. *, & **Hughes, C. E. †** (2016). "" Towards the Understanding of Gestures and Vocalization Coordination in Teaching Context"" at *Educational Data Mining 2016 (EDM2016)*, June 29-July 2, in Raleigh, NC.
21. Bhatia, T.S. *. Solmaz, G. **Turgut, D.** and **Bölöni, L. †**. ""Controlling the movement of robotic bodyguards for maximal physical protection."" at Proc of the 29th International FLAIRS Conference, pp. 380–385, May 2016. <http://dx.doi.org/doi:10.23919/tms.2016.7918824>
22. **Borji, Ali †**, Saeed Izadi, Laurent Itti, ""iLab-20M: A large-scale controlled object dataset to investigate deep learning"", at *CVPR*, June 2016.
23. Bowren, J.A. *, J.K. Pugh*, and **Stanley, K.O.** ""Fully Autonomous Real-Time Autoencoder-Augmented Hebbian Learning through the Collection of Novel Experiences"", Published in *Proceedings of the Fifteenth International Conference on the Synthesis and Simulation of Living Systems (ALIFE XV)*, Cancun, Mexico, 2016. http://turing.iimas.unam.mx/alife2016/parallel_sessions/
24. Buchanan Holderness*, S., Holderness, W., and **LaViola, J.** ""Exploring Multi-touch Contact Size for Z-Axis Movement in 3D Environments"", published in *Proceedings of Graphics Interface 2017*, 65-72, May 2017.
25. Bulumulle, G. * and **Bölöni, L. †**. ""A Study of the Automobile Blind-Spots' Spatial Dimensions and Angle of Orientation on Side-Sweep Accidents."" Published in Proc of. Symposium on Theory of Modeling and Simulation: at DEVS Integrative MS Symposium (TMS/DEVS-16), pp. 18:1–18:6, April 2016.
26. Buty, M., Z. Xu, M. Gao, **Bagci, Ulas†**, A. Wu, and D. J. Mollura (2016). ""Characterization of Lung Nodule Malignancy Using Hybrid Shape and Appearance Features."" at *International Conference on Medical Image Computing and Computer-Assisted Intervention-MICCAI*. Published in Springer International Publishing, pp.662–670.
27. Bylinskii, Z. Recasens Contiente, A. **Borji A. †**, Durand, F Oliva. A., Torralba A. ""Where should saliency models look next?"" at ECCV, 2016.
28. Chakraborty, D. and **Jha, S. K.** ""Automated synthesis of compact crossbars for sneak path based in-memory computing,"" at *2017 Design, Automation & Test in Europe Conference & Exhibition (DATE)*, 2017, pp. 770–775. <http://dx/doi/org/10.23919/DATE.2017.7927093>
29. Changpinyo S. * Chao, W *. **Gong, B. +**, and Sha, F. +. ""Synthesized Classifiers for Zero-Shot Learning."" Published in *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Las Vegas, NV, June 2016. =
30. Chao, W-L *. Changpinyo, S. * Gong, B. +, and Sha. F. +. ""An Empirical Study and Analysis of Generalized Zero-Shot Learning for Object Recognition in the Wild."" At the *Proceedings of the European Conference on Computer Vision (ECCV)*, Amsterdam, Netherlands, Oct. 2016.

31. Carbone, T.* , McDaniel, R., & **Hughes, C. E.**+ (2016). *“Psychomotor Skills Measurement for Surgery Training using Game-based Methods”*, at *4th International Conference on Serious Games and Applications for Health (IEEE SeGAH 2016)*, May 11-13, Orlando, FL.
32. Chen, Lei *. Lu, Wei +. Che, Xiaoping. Xing, Weiwei. **Wang ,Liqiang** +. and Yang, Yong *. *“MRSIM: Mitigating Reducer Skew In Map Reduce”*. Published in *the 31st International Conference on Advanced Information Networking and Applications Workshops (WAINA)*, 27-29 March 2017. IEEE Press.
33. Chung, Wingyan+. Rao, Bingbing *, and **Wang, Liqiang** +. *“Dynamic Trend Detection in U.S. Border Security Social-Media Networks.”* at 2016 Interservice/Industry Training, Simulation and Education Conference (*I/ITSEC*). Orlando, FL. Nov. 28 - Dec. 2. 2016.
34. Coaguila, Rey *. **Sukthankar, Gita** +. and Sukthankar, Rahul +. *“Selecting vantage points for an autonomous quadcopter videographer”*. at Proceedings of the Florida Artificial Intelligence Research Society, pages 386—391 Key Largo, FL May 2016. **(nominated for a Best Paper award)**
35. Dai, Wei, Ibrahim, Ibrahim and **Bassiouni, Mostafa**. *“An improved replica placement policy for Hadoop Distributed File System running on Cloud platforms”*, accepted for publication in Proceedings of the *4th IEEE International Conference on Cyber Security and Cloud Computing*, New York, NY, USA, June 26-28, 2017.
36. Dai, Wei, Ibrahim, Ibrahim and **Bassiouni, Mostafa**. *“An improved straggler identification scheme for data-intensive computing on Cloud platforms”*, accepted for publication in Proceedings of the *4th IEEE International Conference on Cyber Security and Cloud Computing*, New York, NY, USA, June 26-28, 2017.
37. Dai, Wei. Ibrahim, Ibrahim and **Bassiouni, Mostafa**. *“Improving load balance for data-intensive computing on cloud platforms”*, Published in Proceedings of the *2016 IEEE International Conference on Smart Cloud*, pp. 140-145, New York, NY, USA, November 2016.
38. Davoudi, A* and **Chatterjee, M.** *“Modeling Trust for Rating Prediction in Recommender Systems”*, at SIAM MLRec, May 2016.
39. Davoudi, A* and **Chatterjee, M.** *“Prediction of Information Diffusion in Social Networks using Dynamic Carrying Capacity”*, at Workshop on Application of Big Data for Computational Social Science, co-located with IEEE Conference on Big Data, Dec. 2016.
40. Davoudi, A* and **Chatterjee, M.** *“User Behavior Anomaly Detection for Product Ratings in Recommender System”*, at Heterogeneous Information Network Analysis (HINA) Workshop at IJCAI, July 2016.
41. Desingh, K., Maghoumi*, M., Jenkins, O., **LaViola, J.**, and Reveret, L. *“Object Manipulation in Cluttered Scenes Informed by Physics and Sketching”*, at *RSS 2016 Workshop: Geometry and Beyond - Representations, Physics, and Scene Understanding for Robotics*, June 2016.
42. Finocchiaro, J. Orooj khan, A. *. **Borji, A.** +. *“Egocentric Height Estimation”*, at IEEE WACV, 2017.
43. Gan, C. * Sun, C. Duan, L. and **Gong, B.** +. *“Webley-Supervised Video Recognition by Mutually Voting for Relevant Web Images and Web Video Frames.”* At Proceedings of the European Conference on Computer Vision (ECCV), Amsterdam, Netherlands, Oct. 2016
44. Gan, C. *. Yang, T. + and **Gong, B** +. *“Learning Attributes Equals Multi-Source Domain Generalization.”* At Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Las Vegas, NV, June 2016. **(Spotlight, acceptance rate 9.7%)**
45. Ganguly, Arnab. Shah, Rahul and **Thankachan, Sharma V.**: *“pBWT: Achieving Succinct Data Structures for Parameterized Pattern Matching and Related Problems”*, at Proceedings of the Twenty-Eighth Annual {ACM-SIAM} Symposium on Discrete Algorithms, (**SODA**) 2017, Barcelona, Spain, Hotel Porta Fira, January 16-19, pages = 397--407,
<http://dx.doi.org/10.1137/1.9781611974782.25>

46. Gosh, A.K.* , Badillo-Urquiola, K.* , and **Wisniewski, P.** † (2017) *“Examining Parents’ Technical Mediation of Teens’ Mobile Devices,”* Poster presented at *the 2017 ACM Conference on Computer Supported Cooperative Work (CSCW 2017)*, Portland, OR.
47. Gosh, A.K.* and **Wisniewski, P.** † (2016) *“Understanding User Reviews of Adolescent Mobile Safety Apps: A Thematic Analysis,”* Poster presented at *the 2016 ACM Conference on Supporting Group Work (GROUP 2016)*, Sanibel Island, FL.
48. Hajibagheri, Alireza * . **Sukthankar, Gita** and Lakkaraju, Kiran. A. *“Holistic approach for link prediction in multiplex networks.”* At Proceedings of the International Conference on Social Informatics, pages 55–70, Seattle, WA, November 2016.
49. Hajibagheri, Alireza * . **Sukthankar, Gita** and Lakkaraju, Kiran. *“Leveraging network dynamics for improved link prediction.”* Published in Proceedings of the International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction, pages 142–151, Washington, D.C., June 2016.
50. Hassen, A. Chandrasekar, U. B. and **Jha, S. K.** *“Automated synthesis of stochastic computational elements using decision procedures,”* in *Circuits and Systems (ISCAS), 2016 IEEE International Symposium on*, 2016, pp. 1678-1681. <http://dx.doi.org/10.1109/ISCAS.2016.7538890>
51. Hollister, D.L., **Gonzalez, A.J.** and Hollister, J.R. *“Contextual Reasoning in Human Cognition and the Implications for Artificial Intelligence Systems”*. At The Tenth International and Interdisciplinary Conference on Modeling and Using Context (*Context-2017*), June 2017.
52. Hollister, J.R. and **Gonzalez, A.J.** *“Cooperating Context Method: A Contextual Approach to Story Generation and Telling”*. At The Tenth International and Interdisciplinary Conference on Modeling and Using Context (*Context-2017*), June 2017
53. **Hughes, C. E.** †, Epstein, J. A., Hall, T., Ingraham, K. M., & Hughes, D. E. (2016). *“Enhancing Protective Role-Playing Behaviors through Avatar-Based Scenarios”*. At the *4th International Conference on Serious Games and Applications for Health (IEEE SeGAH 2016)*, May 11-13, Orlando, FL, 1-6. **Best paper Award.** <http://dx.doi.org/10.1109/SeGAH.2016.7586229>.
54. Hu, Hao * , **Qi, Guo-Jun** † . *“State-Frequency Memory Recurrent Neural Networks”* , accepted in Proceedings of International Conference on Machine Learning, Sydney, Australia, August 6-11, 2017.
55. Hu, Hao * , Velez-Ginorio, Joey* , **Qi, Guo-Jun** † . *“Temporal Order-based First-Take-All Hashing for Fast Attention-Deficit-Hyperactive-Disorder Detection,”* At Proceedings of ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2016**), San Francisco, USA, August 13-17, 2016.
56. **Hua, Kien A.** + , *“Internet of Things: Challenges and Opportunities for Collaborative Technologies,”* at *Proc. of International Conference on Collaboration Technologies and Systems*, October 31 – November 4, 2016 (2-page extended abstract for a special invited presentation).
57. Husein, Z. Raj, S. Torosdagli, N. Ramanathan, Pullum, A. L. Pattanaik, S. **Jha, S. K.** *“Validating the human-detection algorithm in intelligent systems against naturally occurring perturbations”*, Invited paper, at the Workshop on Developmental Aspects of Intelligent Adaptive Systems (DIAS 2017), Feb 2017, Jaipur, India.
58. Hussein S*, Gillies R, Qunlin Cao, Qi Song, **Bagci, U** † . *“TumorNET: Lung Nodule Characterization using Multi-View Convolutional Neural Network with Gaussian Process.”* Published in IEEE ISBI 2017
59. Hussein S*, Qunlin Cao, Qi Song, **Bagci,U** † *“Risk Stratification of Lung Nodules Using 3D CNN Multi-Task Learning.”* Published in *Information Processing in Medical Imaging (IPMI)*, 2017.

60. Ibrahim, Ibrahim, Dai, Wei and **Bassiouni, Mostafa**. ““Intelligent data placement mechanism for replicas distribution in Cloud storage systems””, Published in Proceedings of the 2016 *IEEE International Conference on Smart Cloud*, pp. 134-139, New York, NY, USA, November 2016.
61. Izadpanah, Ramin *. Feldman, Steven *. **Dechev, Damian** *. ““A Methodology For Performance Analysis of Non-Blocking Algorithms Using Hardware and Software Metrics””, In Proceedings of the 19th IEEE International Symposium on Object/component/service-oriented Real-time Distributed Computing (IEEE ISORC 2016), York, UK, May 17-20, 2016.
62. Jackson, Astrid * and **Sukthanka, Gita** +. ““Learning continuous state/action models for humanoid robots.”” In Proceedings of the Florida Artificial Intelligence Research Society, pages 392—397 Key Largo, FL May 2016.
63. Jafariakianabd, Fereshteh * and **Hua, Kien A.** +, ““Maximal Sequence Mining Approach for Topic Detection from Microblog Streams,”” in Proc. of IEEE Symposium Series on Computational intelligence, December 6-9, 2016, Athens, Greece.
64. **Jha, S. K.** Rodriguez, D. E. Van Nostrand, J. E. and Velasquez, A. ““Computation of boolean formulas using sneak paths in crossbar computing””, published in US Patent.
65. Jiang, H. Cheng, M. M. **Borji, A.** + Wang, J. ““Joint Salient Object Detection and Existence Prediction””, at Computational Visual Media, 2016.
66. Jung, S.* , & **Hughes, C. E.** + (2016). ““The Effects of indirect real body cues of irrelevant parts on virtual body ownership and presence””. At the International Conference on Artificial Reality and Telexistence Eurographics Symposium on Virtual Environments (*ICAT-EGVE*), Little Rock, AK, December 7-9, 2016, 107-112. <http://dx.doi.org/10.2312/egve.20161442>.
67. Jung, S.* , & **Hughes, C. E.** + (2016). ““The effects of indirectly implied real body cues to virtual body ownership and presence in a virtual reality environment.”” at the ACM Symposium on Virtual Reality Software and Technology (*VRST*), Munich Germany, November 2-14, 2016, 363-364. <http://dx.doi.org/10.1145/2993369.2996346>.
68. Kang*, B., **LaViola, J.**, and **Wisniewski, P.** ““Structured Input Improves Usability and Precision for Solving Geometry-based Algebraic Problems””, At the Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (*CHI '17*), 4692-4702, May 2017.
69. Kazakova, Vera A. *+ and **Wu, Annie S.** (2016). ““Smarter sharing is caring: Weighted averaging in decentralized collective transport with obstacle avoidance.”” At the Proceedings of the 29th International Florida Artificial Intelligence Research Society (FLAIRS) Conference, pp. 56-61. Key Largo, FL, May 16-18, 2016.
70. Khairullah, E. * and **Chatterjee, M.** ““Multi-bid Auctions for Channel Allocation in Multi-Channel Dynamic Spectrum Access Networks””, at European Conference on Networks and Communications, June 2016.
71. Khairullah, E. * and **Chatterjee, M.** and De, S. ““Queue-aware Opportunistic Scheduling in Multichannel Dynamic Spectrum Access Networks””, at IEEE WoWMoM, June 2017.
72. Khairullah, E. * and **Chatterjee, M.** ““Scheduling in Dynamic Spectrum Access Networks: Throughput and Fairness Tradeoffs””, at IEEE VTC (Fall), Sept 2016.
73. Khan, F. A. Khan, S. A. *, **Turgut, D.** + and **Bölöni, L.** ““Optimizing Resurfacing Schedules to Maximize Value of Information”” in UWSNs. IEEE Global Communications Conference (GLOBECOM 2016), December 2016. <http://dx.doi.org/10.1109/glocom.2016.7842108>
74. Khosravan N*, Celik H, Turkbey B, Cheng R, McCreedy E, McAuliffe M, Bednarova S, Jones E, Chen X, Choyke P, Wood B, **Bagci, U**+. ““Gaze2Segment: A Pilot Study for Integrating Eye-Tracking Technology into Medical Image Segmentation.”” At Medical Computer Vision, MICCAI 2016, Athens Greece, October 17-22, 2016

75. Laurens, Roy *. **Zou, Cliff**. ""Using Credit/Debit Card Dynamic Soft Descriptor as Fraud Prevention System for Merchant"", at IEEE GLOBECOM, Dec., 2016.
76. Lotfian, Sina and **Foroosh, Hassan**. ""View-Invariant Object Recognition Using Homography Constraints"", at IEEE International Conference on Image Processing (ICIP), 2017.
77. Li, Kai *. **Qi, Guo-Jun**+. Ye, Jun *. and **Hua, Kien A.**+ ""Cross-modal Hashing through Ranking Subspace Learning,"" in *Proc. of IEEE at International Conference on Multimedia and Expo*, July 11-15, 2016 .
78. Li, Kai *. **Qi, Guo-Jun** +. Ye, Jun *. Yusuph, Tuoerhongjiang *. and **Hua, Kien A.**+ ""Supervised Ranking Hash for Semantic Similarity Search,"" published in *Proc. of IEEE International Symposium on Multimedia*, San Jose, December 11-13, 2016 (selected one of the best papers to appear in a special issue of a journal).
79. Li, Z. * **Gong, B.** +, and Yang, T. +. ""Improved Dropout for Shallow and Deep Learning."" At the Proceedings of the Neural Information Processing Systems (NIPS), Barcelona, Spain, Dec. 2016.
80. **Liu, Fei**. Fella, Nicole **, and Liao, Kexin *, ""Modeling Language Vagueness in Privacy Policies using Deep Neural Networks"", In Proceedings of the AAAI 2016 Fall Symposium on Privacy and Language Technologies, Washington, D.C., Nov. 2016.
81. Liu, Zixia *. Zhang, Hong *, and **Wang, Liqiang**+. ""Hierarchical Spark: A Multi-cluster Big Data Computing Framework."" at the 10th IEEE International Conference on Cloud Computing. Honolulu, Hawaii, USA. June 25-30, 2017. Published in the *IEEE Press*.
82. Lu, Siyang *, Rao, Bingbing *, Wei, Xiang *, Tak, Byungchul. Wang, Long and **Wang, Liqiang** +. ""Log-based Abnormal Task Detection and Root Cause Analysis for Spark."" at the 24th IEEE International Conference on Web Services. Honolulu, Hawaii, USA. June 25-30, 2017. Published in *IEEE Press*.
83. Lu, Wei +. Yang, Yong*. **Wang, Liqiang**+, Xing, Weiwei and Chen, Xiaoping. ""A Leader Election Based Deadlock Detection Algorithm in Distributed Systems."" at 2016 Workshop on Specification, Comprehension, Testing and Debugging of Concurrent Programs, IEEE/ACM International Conference on Automated Software Engineering (ASE). Singapore, Singapore, 3-7 September, 2016. Published in *ACM Press*.
84. Luo, Wencan. **Liu, Fei**. Litman, Diane. ""An Improved Phrase-based Approach to Annotating and Summarizing Student Course Responses"", at Proceedings of the 26th International Conference on Computational Linguistics (COLING), Osaka, Japan, Dec. 2016.
<https://www.aclweb.org/anthology/C/C16/C16-1006.pdf>
85. Luo, Wencan. **Liu, Fei**. Litman, Diane. ""Automatic Summarization of Student Course Feedback,"" at the Proceedings of the 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT), San Diego, California, Jun. 2016. <http://www.aclweb.org/anthology/N16-1010>
86. Ma, Hongyi *, **Wang, Liqiang** +, Wang, Long. Tak, Byung-Chul. Tang, Chuangqiang. ""Auto-tuning Performance of MPI Parallel Programs Using Resource Management in Container-based Virtual Cloud."" at the 9th IEEE International Conference on Cloud Computing (IEEE Cloud). San Francisco, USA. July, 2016. Published in *IEEE Press*.
87. Marpaung, A. and Gonzalez, A.J. (2017) ""Can an Affect-Sensitive System Afford to be Context Independent?"" Published in *The Tenth International and Interdisciplinary Conference on Modeling and Using Context (Context-2017)*, June 2017.
88. Martin*, K. and **LaViola, J.** ""The Transreality Interaction Platform: Enabling Interaction Across Physical and Virtual Reality"". At the *Proceedings of the Ninth International Conference on the Internet of Things (iThings 2016)*, 177–186, December 2016.
89. Mazaheri, Amir. Gong, Boqing and **Shah, Mubarak**. ""Learning a Multi-Concept Video Retrieval Model with Multiple Latent Variables, Multimedia (ISM)"" , 2016 Published in *IEEE International Symposium on*. IEEE, 2016.

90. Mayle*, Bidoki, N. H. *, Masnadi, S. *, **Bölöni, L.** and **Turgut, D.** +, *“Investigating the Value of Privacy within the Internet of Things,”* Submitted to IEEE GLOBECOM'17, December 2017
91. Meade, Travis *. Zhao, Zheng. **Zhang, Shaojie.** Pan, David. and Jin, Yier. *“Revisit Sequential Logic Obfuscation: Attacks and Defenses,”* Published in *IEEE International Symposium on Circuits and Systems (ISCAS)*, 2017.
92. Meade, Travis *. Zhao, Zheng. **Zhang, Shaojie.** Pan, David. and Jin, Yier. *“Gate-Level Netlist Reverse Engineering Tool Set for Functionality Recovery and Malicious Logic Detection”* Published in *International Symposium for Testing and Failure Analysis (ISTFA)*, 2016.
93. Mohammed Ali, A. and **Gonzalez, A.J.** *“Learning from Casual Conversation”*. At *30th Annual Florida Artificial Intelligence Research Society Conference (FLAIRS-2017)*. May 2017.
94. Mohammed Ali, A. and **Gonzalez, A.J.** *“Toward Designing a Realistic Conversational System: A Survey”*. At the 29th Annual Florida Artificial Intelligence Research Society Conference (*FLAIRS-2016*). May 2016
95. Morley, Dustin. **Foroosh , Hassan.** *“Improving RANSAC-Based Segmentation Through CNN Encapsulation,”* at IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2017.
96. Morse, G.* and **K.O. Stanley+**, *“Simple Evolutionary Optimization Can Rival Stochastic Gradient in Neural Networks”*, at the Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2016), Denver, Colorado, 2016. <https://dx.doi.org/10.1145/2908812.2908916>
97. Naifan Zhuang*. Ye, Jun *, and **Hua, Kien A.+**, *“DLSTM Approach to Video Modeling with Hashing for Large-Scale Video Retrieval,”* at Proc. of International Conference on Pattern Recognition (ICPR2016), December 4-8, 2016
98. Nojavanasghari, B.* , Baltrusaitis, T., **Hughes, C. E.**, & Morency, L-P.+ (2016). *“EmoReact: A multimodal approach and dataset for recognizing emotional responses in children.”* At International Conference on Multimodal Interaction (*ICMI 2016*), Tokyo, Japan, November 12-16, 2016, 137-144. <http://dx.doi.org/10.1145/2993148.2993168>
99. Nojavanasghari, B.* , Morency, L-P & **Hughes, C. E.+** (2017). *“Exceptionally Social: Design of an Avatar-Mediated Interactive System for Promoting Social Skills in Children with Autism.”* At the Proceedings of CHI EA (Extended Abstracts) 2017. Denver, CO, May 6-11, 1932-1939. Acceptance Rate not yet posted; <http://dx.doi.org/10.1145/3027063.3053112>.
100. Nojavanasghari, B.* , Baltrusaitis, T., **Hughes, C. E.**, & Morency, L-P.+ (2016). *“The future belongs to the curious: Towards automatic understanding and recognition of curiosity in children.”* At the INTERSPEECH Workshop on Child Computer Interaction (WOCCI 2016), San Francisco, CA, September 6-7, 2016, 16-22.
101. Nakhila, Omar *, **Zou, Cliff C.** *“Parallel Active Dictionary Attack on IEEE 802.11 Enterprise Networks”*, Published in *IEEE MILCOM*, Nov., 2016.
102. Omar Nakhila*, Cliff C. Zou, *“User-Side Wi-Fi Evil Twin Attack Detection Using Random Wireless Channel Monitoring”*, at *IEEE MILCOM*, Nov., 2016.
103. Naseri, Ardan *. Liu, Xiaoming. **Zhang, Shaojie** and Zhi, Degui. *“Ultra-fast Identity by Descent Detection in Biobank-Scale Cohorts using Positional Burrows–Wheeler Transform”*, at the Annual International Conference on Research in Computational Molecular Biology (RECOMB), 2017.
104. Nasim Souly and **Mubarak Shah**, *“Scene Labeling Using Sparse Precision Matrix”*, at the Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2016), Las Vegas, NV, June 26 - July 1, 2016
105. Ontañón, S., Lee, Y-C., Snodgrass, S., Winston, F. and **Gonzalez, A.J.** *“Learning to Predict Driver Behavior from Observation”*, at the AAAI Spring Symposium Series Workshop *“Learning from Observation of Humans”*, Stanford University, Palo Alto, CA. March 24, 2017

106. Patel, S.* , Hughes, D. E., & **Hughes, C. E.**[†] (2016). ““MeEmo - Using an avatar to improve social skills in children with ASD.”” At the INTERSPEECH Workshop on Child Computer Interaction (*WOCCI 2016*), San Francisco, CA, September 6-7, 2016.
107. Petkova, A.* , Dimitrov, M., **Hughes, C. E.**, & **Deo, N.**[†] (2016). ““Accelerating the distributed simulations of agent-based models using community detection.”” At the *12th Annual IEEE RIVF International Conference on Computing and Communication Technologies*, Hanoi, Vietnam, November 7-9, 2016, 25-30. <http://dx.doi.org/10.1109/RIVF.2016.7800264>
108. Pinter, A.* , **Wisniewski, P.**[†] , Xu, H., Rosson, M.B., Carroll, J.M. (2017) ““Adolescent Online Safety: Moving Beyond Formative Evaluations to Designing Solutions for the Future,”” Published in the *Proceedings of the 2017 ACM Conference on Interaction Design and Children (IDC 2017)*, Stanford, CA.
109. Pittman*, C., and **LaViola, J.** ““Multiwave: Complex Hand Gesture Recognition Using the Doppler Effect””, Published in *Proceedings of Graphics Interface 2017*, 97-103, May 2017.
110. Pugh, J.K.* , L.B. Soros*, and **K.O. Stanley**[†], ““Searching for Quality Diversity when Diversity is Unaligned with Quality,”” at Proceedings of the 14th International Conf. on Parallel Problem Solving From Nature (PPSN-2014), Edinburgh, Scotland. 2016. https://dx.doi.org/10.1007/978-3-319-45823-6_82
111. **Qi, Guo-Jun**[†]. ““Hierarchically Gated Deep Networks for Semantic Segmentation,”” Proceedings at IEEE Conference on Computer Vision and Pattern Recognition (**CVPR 2016**), Las Vegas, California, USA, June 26-July 1, 2016.
112. **Qi, Guo-Jun**[†]. Tang, Jiliang. Wang, Jingdong. Luo, Jiebo. ““Mixture Factorized Ornstein-Uhlenbeck Processes for Time-Series Forecasting,”” accepted at the Proceedings of ACM SIGKDD at Conference on Knowledge Discovery and Data Mining (**KDD 2017**), Halifax, Nova Scotia, Canada, August 13-17, 2017.
113. Rahmatizadeh, R. * , Abolghasemi, P. * , Behal, A. and **Bölöni, L.**[†]. ““Real-time placement of a wheelchair-mounted robotic arm.”” Published in *IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN-2016)*, August 2016. <http://dx.doi.org/10.1109/roman.2016.7745235>
114. Rahmatizadeh, R. * , Abolghasemi, P. * , Jabalameli, A. Behal, A. and **Bölöni, L.**[†]. ““Trajectory adaptation of robot arms for head-pose dependent assistive tasks.”” In Proc. of the 29th at International FLAIRS Conference, pp. 410–413, May 2016.
115. Saini, N. and **Chatterjee, M.** ““Multi-Bid Spectrum Auctions in Dynamic Spectrum Access Networks with Spatial Reuse””, at IEEE Comsnets, Jan. 2017.
116. Sam, J.* , **Wisniewski, P.**[†] , Xu, H., Rosson, M.B., and Carroll, J.M. (2017) ““How Are Social Capital and Parental Mediation Associated with Cyberbullying and Cybervictimization Among Youth in the United States?”” Poster presented at *HCI International (HCII 2017)*, Vancouver, BC, Canada.
117. Sen, M. Banerjee, I. **Chatterjee, M.** and Samanta, T. ““A Node Deployment Mechanism Using Received Signal Strength and Frequency Diversity for a Wireless Sensor Network””, Published in *IEEE Sensors*, Oct 2016.
118. Sharghi, B. Gong, and **Shah, M.** ““Query-Focused Extractive Video Summarization,”” Proceedings of the European Conference on Computer Vision (ECCV), at Amsterdam, Netherlands, Oct. 2016. http://dx.doi.org/10.1007/978-3-319-46484-8_1
119. Soomro, Khurram. Idrees, Haroon and **Shah, Mubarak.** ““Predicting the Where and What of actors and actions through Online Action Localization, in Proceedings”” at IEEE

Conference on Computer Vision and Pattern Recognition (CVPR 2016), Las Vegas, NV, June 26 - July 1, 2016. <http://dx.doi.org/10.1109/CVPR.2016.29>

120. Soros, L.B. *, N. Cheney, and **K.O. Stanley+**, *“How the Strictness of the Minimal Criterion Impacts Open-Ended Evolution”*, Proceedings of the Fifteenth International Conference on the Synthesis and Simulation of Living Systems (ALIFE XV), at Cancun, Mexico, http://turing.iimas.unam.mx/alife2016/parallel_sessions/
121. Sultani, Waqas and **Shah, Mubarak**, *“What if we do not have multiple videos of the same action? - Video Action Localization Using Web Images”*, in Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2016), at Las Vegas, NV, June 26 - July 1, 2016
122. Zhibo Sun*, Hong Zhang*, Zixia Liu*, Chen Xu, and **Liqiang Wang+**. *“Migrating GIS Big Data Computing from Hadoop to Spark: An Exemplary Study Using Twitter”*. In the 9th IEEE International Conference on Cloud Computing (IEEE Cloud). at San Francisco, USA. July, 2016. Published in *IEEE Press*.
123. Tang, Bo *, Yiu, Man Lung +.and **Hua, Kien A.+**, *“Exploit Every Bit: Effective Caching for High-Dimensional Nearest Neighbor Search,”* in *Proc. of IEEE International Conference on Data Engineering (ICDE)*, at San Diego, U.S.A. April 19-22, 2017. (Short paper with poster presentation)
124. Tanaka, A.*, Smith, R., & **Hughes, C. E.+** (2016). *“Video Game Experience and Basic Robotic Skills. 4th International Conference on Serious Games and Applications for Health”* at IEEE SeGAH 2016, May 11-13, at Orlando, FL, 1-6. <http://dx.doi.org/10.1109/SeGAH.2016.7586262>.
125. Taranta*, Maghoumi, E., *Pittman, M. C. * and **LaViola, J.** *“A Rapid Prototyping Approach to Synthetic Data Generation for Improved 2D Gesture Recognition”*. Published in *Proceedings of the 29th Annual Symposium on User Interface Software and Technology (UIST '16)*. 873-885, October 2016.
126. Taranta*, E., Samiei*, A., Maghoumi*, M., Khaloo*, P., Pittman*, C., and **LaViola, J.** *“Jackknife: A Reliable Recognizer with Few Samples and Many Modalities”*, Published in *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17)*, 5850-5861, May 2017.
127. Tarnpradab, Sansiri *. **Liu, Fei. Hua, Kien A.** *“Toward Extractive Summarization of Online Forum Discussions via Hierarchical Attention Networks”*, In Proceedings of the 30th Florida Artificial Intelligence Research Society Conference (FLAIRS), at Marco Island, Florida, May 2017.
128. Torosdagli N*, Liberton D, Verma P, Sincan M, Lee J, Pattanaik S, **Bagci U+**. *“Robust and Fully Automated Segmentation of Mandible from CT Scans”*. At IEEE ISBI 2017.
129. Torosdagli, Neslisah*+. Pattanaik, Sumanta. Lisle, Curtis. **Bagci, U**, Liu, Yanling. *“Interactive Out-of-Core Volume Rendering”*, at UCF-Mayo Clinic Mini Symposium, UCF, Orlando, April 28, 2017.
130. Torosdagli, Neslisah*+. Pattanaik, Sumanta. **Bagci, Ulas.** *“Parallel Out-of-Core Medical Volume Segmentation”*, at Grad Cohort Workshop 2017, April 7-8, 2017, Washington DC.
131. Tuoerhongjiang Yusufu*, Zhuang, Naifan *, Li, Kai * and **Hua, Kien A. +**, *“Relational Learning based Happiness Intensity Analysis in a Group,”* in Proc. at IEEE International Symposium on Multimedia, San Jose, December 11-13, 2016.
132. **Turgut, D. +** Massi, L. Bidoki, N. H. *, and Bacanlı, S. S. *, *“Multidisciplinary Undergraduate Research Experience in the Internet of Things: Student Outcomes, Faculty Perceptions, and Lessons Learned”*, Accepted to appear at *2017 ASEE Annual Conference & Exposition*, June 2017.

133. Velasquez, P. Wojciechowski, K. Subramani, S. Drager, L. and **Jha, S. K.** "The cardinality constrained paths problem: Multicast data routing in heterogeneous communication networks, in Network Computing and Applications" (NCA), 2016 at UCF/CECS/FAR (revised 04/17) 4 published in *IEEE 15th International Symposium on*, 2016, pp. 126–130
<http://dx.dor.org/10.1109/NCA.2016.7778606>
134. Velasquez and **Jha, S. K.** "Parallel boolean matrix multiplication in linear time using rectifying memristors," published in *Circuits and Systems (ISCAS)*, 2016 at the IEEE International Symposium on, 2016, pp. 1874–187. <http://dx.dor.org/10.1109/ISCAS.2016.7538937>
135. Vitak, J., **Wisniewski, P.**, Ashktorab, Z., Badillo-Urquiola, K. * (2017) "Benefits and Drawbacks of Using Social Media to Grieve Following the Loss of a Pet," at the *2017 International Conference on Social Media and Society (SM&S 2017)*, Toronto, Canada.
136. Wade, J., Wong, J., Waldor, M., Pasqualin, L., Jantke, K., Knauf, R. and **Gonzalez, A.J.** "A Stochastic Approach to Character Growth in Automated Narrative Generation". At the 30th Annual Florida Artificial Intelligence Research Society Conference (FLAIRS-2017). May 2017
137. Wang, Yilin*, Wang, Suhang. Tang, Jiliang. **Qi, Guojun** †, Liu, Huan and Li, Baoxin. "CLARE: A joint Approach to Label Classification and Tag Recommendation", at the AAAI Conference on Artificial Intelligence (AAAI 2017), At San Francisco, California, CA, February 4-9, 2017.
138. Wang, Xiaojuan *. Zhang, Ting *. **Qi, Guo-Jun** †, Tang, Jinhui and Wang, Jingdong. "Supervised Quantization for Similarity Search", in Proceedings at IEEE Conference on Computer Vision and Pattern Recognition (**CVPR 2016**), Las Vegas, California, USA, June 26-July 1, 2015.
139. Wang, Weidong *. **Wang, Liqiang** + Lu, Wei. "An Intelligent QoS Identification for Untrustworthy Web Services Via Two-phase Neural Networks". at the 23rd IEEE International Conference on Web Services (ICWS). July, 2016, San Francisco, USA. Published in IEEE Press.
140. Wasil, D. *, Nakhila, O. *, **Zou, C.** and **Turgut, D.**+. "Exposing Vulnerabilities in Mobile Networks: A Mobile Data Consumption Attack," Submitted to publish in IEEE GLOBECOM'17, December 2017
141. Wilkinson, D., Sivakumar, S., Cherry, D., Knijnenburg, B.P., Raybourn, E., **Wisniewski, P.**, and Sloan, H. (2017) "User-Tailored Privacy by Design," Full paper work-in-progress presented at the 2017 Mini-Conference on Usable Security (*USEC 2017*), San Diego, CA.
142. **Wisniewski, P.**, Ghosh, A.K.*, Xu, H., Rosson, M.B., and Carroll, J.M. (2017) "Parental Control vs. Teen Self-Regulation: Is there a middle ground for mobile online safety?" Published In the Proceedings of the 2017 at ACM Conference on Computer Supported Cooperative Work (*CSCW 2017*), Portland, OR.
143. **Wisniewski, P.**, Xu, H., Rosson, M.B., and Carroll, J.M. (2017) "Parents Just Don't Understand: Why Teens Don't Talk to Parents about Their Online Risk Experiences," In the Proceedings of the 2017 at ACM Conference on Computer Supported Cooperative Work (*CSCW 2017*), Portland, OR.
144. *Wong, J. and **Gonzalez, A.J.** "CATCH: Injecting Contextual and Timely Conversational Humor into Lifelike Avatars". At the 29th Annual Florida Artificial Intelligence Research Society Conference (FLAIRS-2016). May 2016.
145. **Wu, Annie S.**+, Wiegand, R. Paul and Pradhan, Ramya *. "Building redundancy in multi-agent systems using probabilistic action." at the *Proceedings of the 29th International Florida Artificial Intelligence Research Society (FLAIRS) Conference*, pp. 404-409. Key Largo, FL, May 16-18, 2016.

146. Xu, J. *, Rahmatizadeh, R. *, **Bölöni, L.** and **Turgut, D.** +, ""A Sequence Learning Model with Recurrent Neural Networks for Taxi Demand Prediction,"" Submitted to Publish in *IEEE LCN'17*, October 2017.
147. Zhang, Deli *. **Dechev, Damian** +. ""An Efficient Lock-free Logarithmic Search Data Structure Based on Multi-dimensional List"", In Proceedings of the 36th at the IEEE International Conference on Distributed Computing Systems (ICDCS 2016), Nara, Japan, June 27-30, 2016.
148. Zhang, Deli*. **Dechev, Damian**+. ""Lock-free Transactions without Aborts for Linked Data Structures"", In Proceedings of the 28th ACM Symposium on Parallelism in Algorithms and Architectures (SPAA 2016), at Asilomar State Beach, CA, July 11-12, 2016.
149. Zhang, Hong *, Huang, Hai. and **Wang, Liqiang** +. ""MRapid: An Efficient Short Job Optimizer on Hadoop. at the 31st IEEE International Parallel & Distributed Processing Symposium"" (IPDPS). Orlando, USA. May 29 - June 2, 2017 Published in *IEEE Press*.
150. Zhang, Liheng *, Aggarwal, Charu. **Qi, Guo-Jun** +, ""Stock Price Prediction via Discovering Multi-Frequency Trading Patterns"", accepted in Proceedings at ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2017**), Halifax, Nova Scotia, Canada, August 13-17, 2017.
151. Zhang, Y. *, Gong, B. +, and **Shah, M.** +. ""Fast Zero-Shot Image Tagging."" Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), at Las Vegas, NV, June 2016. (acceptance rate 29.9%)

Conference Papers without Published Proceedings

1. Ardeshir*, Borji, A. +, From Egocentric to Top-view, In *Egocentric vision workshop*, at *CVPR 2016*.
2. Badillo-Urquiola, K. *, Harpin, S., Taliaferro, L., Ghosh, A.K. *, and **Wisniewski, P.** + (2017) ""Assessing the Risks versus Benefits of Conducting Research with Adolescents in Foster Care,"" Extended Abstract presented at the Workshop on Privacy Ethics at the *2017 ACM Conference on Computer Supported Cooperative Work (CSCW 2017)*, Portland, OR.
3. Badillo-Urquiola, K. *, **Wisniewski, P.** + (2017) ""For Those Who Need It Most: Helping "At-Risk" Youth Manage Online Risks,"" Extended Abstract presented at the Workshop on Equity and Inclusivity at the *2017 ACM Conference on Interaction Design and Children (IDC 2017)*, Stanford, CA.
4. Badillo-Urquiola, K. *, **Wisniewski, P.**, (2017) ""Understanding the Online Challenges of Teens in Foster Care,"" Poster presented at *UCF's 2017 Graduate Research Forum*, Orlando, FL.
5. **Borji, Ali**+, ""Computational modeling of gaze guidance during scene free-viewing and daily tasks"", At the 19th European Conference on Eye Movements, 2017.
6. **Borji, Ali** +. Izadi, Saeed. Itti, Laurent. ""iLab-20M: A large-scale controlled object dataset to investigate deep learning"", at BigVision Workshop, CVPR, June 2016.
7. **Borji, Ali** +, ""Vanishing point detection with deep learning"", at SUN workshop, CVPR, June 2016.
8. Celik, H. Turkbey, B. Choyke, P. Cheng, R. McCreedy, E. McAuliffe, Khosravan, M. N. *, **Bagci, U.** +, B. Wood. ""Eye Tracking System for Prostate Cancer Diagnosis Using Multi-Parametric MRI"". At ISMRM 2017, Hawaii, USA.
9. Chen, K. *, **Wisniewski, P.**, **Turgut, D.**, ""Leveraging the FIT API to Share Activity Levels with a Trusted Caregiver,"" Poster presented at *UCF's Summer REU on IoT Showcase*, Orlando, FL.

- Folkes, K.* , Badillo-Urquiola, K.* , **Wisniewski, P.** *“Understanding of Cyberbullying Incidents of YouTube Adolescents Creators,”* Poster presented at *UCF’s Showcase of Undergraduate Research Excellence (SURE 2017)*, Orlando, FL.
- Gan*. Yang, T. +, and **Gong, B.** +. *“A Multi-Source Domain Generalization Approach to Visual Attribute Detection.”* *Published in Domain Adaptation for Computer Vision Applications*, Springer Publishing, 2017.
- **Gong, B.**+ Grauman, K. +, and Sha, F. +. *“Geodesic Flow Kernel and Landmarks: Kernel Methods for Unsupervised Domain Adaptation.”* *Published In Domain Adaptation for Computer Vision Applications*, Springer Publishing, 2017.
- Gosh, A.K.* , Tariq, U.* , and **Wisniewski, P.** *“Researching the (Potentially) Sexually Explicit Material of a Minor,”* Extended Abstract presented at the Workshop on Ethics and Obligations for Studying Digital Communities at the 2016 ACM Conference on Supporting Group Work (GROUP 2016), Sanibel Island, FL.
- Ghosh, A.K.* , **Wisniewski, P.** *“Why Most Teens Hate the Mobile Apps Designed to Keep Them Safe Online,”* Poster presented at UCF’s 2017 Graduate Research Forum, Orlando, FL
- Hajibagheri, Alireza * . **Sukthakar, Gita** and Lakkaraju, Kiran. *“A holistic approach for predicting links in coevolving multiplex networks.”* At ASONAM Workshop on Dynamics in Networks, San Francisco, CA, August 2016.
- Hamouda, S.* , Sage, J.* , Ghosh, A.K.* , **Wisniewski, P.** *“Mobile Safety App,”* Poster presented at UCF’s Showcase of Undergraduate Research Excellence (*SURE 2017*), Orlando, FL.
- Z Husein, S Raj, N. Torosdagli, A. Ramanathan, L. Pullum, S. Pattanaik, **S.K. Jha**, *“Validating the human-detection algorithm in intelligent systems against naturally occurring perturbations”*, Invited paper, at Workshop on Developmental Aspects of Intelligent Adaptive Systems (DIAS 2017), Feb 2017, Jaipur, India.
- Hussein S, RaviPrakash, Teomete U, **Bagci U**†. *“Deep Learning in Radiology”*, published in Radiological Society of North America (RSNA) 2016.
- Hyman, R.* , Chen, K.* , Badillo-Urquiola, K.* , **Wisniewski, P.**, *“Leverage the Fitbit API to Share Activity Levels with a Trusted Caregiver,”* Poster presented at UCF’s Showcase of Undergraduate Research Excellence (SURE 2017), Orlando, FL.
- Kalayeh, M . * , Gong, B. and **Shah, M.** +. *“Improving Facial Attribute Prediction using Semantic Segmentation.”* Proceedings at the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Honolulu, Hawaii, Jun. 2017.
- Martin, T.* , Karthikeyasundaram, M.* , Talone, A.* , **Wisniewski, P.**, *“Bringing Human-Computer Interaction Education out of the Classroom and into the Real-World,”* Poster presented at UCF’s Showcase of Undergraduate Research Excellence (SURE 2017), Orlando, FL
- McHugh, B.* , **Wisniewski, P.**, Carroll, J.M., Xu, H., and Rosson, M.B. *“Doing more harm than good? Parental mediation strategies of teens following cybersecurity risks,”* Poster presented at the 7th International Conference on Applied Human Factors and Ergonomics (AHFE 2016), Orlando, FL.
- McHugh, B.* , **Wisniewski, P.**, Xu, H., Rosson, M.B., and Carroll, J.M. *“Reducing PTSD Symptoms in Adolescents Exposed to Online Risks Using Active Coping,”* Poster presented at the 2016 Society for Research in Child Development Special Topic Meeting: Technology and Media in Children’s Development, Irvine, CA.
- Nojavanasghari, B.* , Morency, L-P & **Hughes, C. E.**† *“Hands-on: Context-Driven Hand Gesture Recognition for Automatic Recognition of Curiosity.”* *Proceedings at CHI 2017 Workshop: Designing for Curiosity.* Denver, CO, May 7, 2017. Poster and Short Paper. International.

- Recasens, A. Bylinskii, Z. **Borji, A.** + Durand, F. Torralba, A and Oliva, A. *“Towards cognitive saliency: narrowing the gap to human performance”*, Vision science society, at VSS, 2017.
- Safi, M.I.* , **Wisniewski, P.**, (2017) *“Using Native Tongue Mnemonics to Enhance English Learning,”* Poster presented at UCF’s 2017 Graduate Research Forum, Orlando, FL.
- Salter, A., Stanfill, M., Johnson, E., and **Wisniewski, P.** *“Participatory Design for Research on Technologically-Mediated Youth Sexuality: Ethical and Privacy Implications,”* Extended Abstract presented at the Workshop on Privacy Ethics at the 2017 ACM Conference on Computer Supported Cooperative Work (CSCW 2017), Portland, OR.
- Sharghi, J. Laurel, and **B. Gong.** *“Query-Focused Video Summarization: Dataset, Evaluation, and A Memory Network Based Approach.”* Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition at CVPR, Honolulu, Hawaii, Jun.2017.
- Soros, L.B.* and **Stanley, K.O.** *“Is Evolution Fundamentally Creative?”* Proceedings of the Second Workshop on Open-Ended Evolution (OEE2) at the Fifteenth International Conference on Artificial Life, international
- **Stanley, K.O.**+ and L.B. Soros*, *“The Role of Subjectivity in the Evaluation of Open-Endedness,”* Proceedings of the Second Workshop on Open-Ended Evolution (OEE2) at the Fifteenth International Conference on Artificial Life, international
- Talone, A.* , **Wisniewski, P.** *“Enhancing Undergraduate Information Technology Education through Experiential Learning in User Experience (UX): Usability Testing for Bogen Communications, Inc.,”* Poster presented at UCF’s 2017 Graduate Research Forum, Orlando, FL.
- Torosdagli, Neslisah *+, Pattanaik, Sumanta. Lisle, Curtis. Liu, Yanling, **Bagci, U** *“Interactive Out-of-Core Volume Rendering”*, at UCF-Mayo Clinic Mini Symposium, UCF, Orlando, April 28, 2017.
- Torosdagli, Neslisah *+. Pattanaik, Sumanta. **Bagci, Ulas.** *“Parallel Out-of-Core Medical Volume Segmentation”*, at the Grad Cohort Workshop 2017, April 7-8, 2017, Washington DC.
- **Wisniewski, P.**, Badillo-Urquiola, K.* , Stanfill, M., and Salter, A. *“Using Participatory Design to Give Foster Teens a Voice in Designs for Their Own Online Safety,”* Extended Abstract presented at the Workshop on Design Methods for Underserved Communities at the 2017 ACM Conference on Computer Supported Cooperative Work (CSCW 2017), Portland, OR.
- **Wisniewski, P.** *“Improve, But Avoid Death by Rigor,”* Extended Abstract presented at the Workshop on Moving Transparent Statistics Forward at The 2017 ACM Conference on Human Factors in Computing Systems (CHI 2017), Denver, CO.
- **Wisniewski, P.** *“Sociotechnical Research: How to Be a Bridge in A Sea of Islands,”* Extended Abstract presented at the Early Career Symposium at The 2017 ACM Conference on Human Factors in Computing Systems (CHI 2017), Denver, CO.
- **Wisniewski, P.**, Xu, H., Rosson, M.B., Perkins, D.F., and Carroll, J.M. *“Dear Diary: Teens Reflect on Their Weekly Online Risk Experiences,”* Flash Talk presented at the 2016 Society for Research in Child Development Special Topic Meeting: Technology and Media in Children’s Development, Irvine, CA.
- **Wisniewski, P.**, Xu, H., Rosson, M.B., and Carroll, J.M. *“Using a Dyadic Web-Based Diary Study to Examine Parent-Teen Communication about Adolescent Online Risks,”* Poster presented at the 2016 Society for Research in Child Development Special Topic Meeting: Technology and Media in Children’s Development, Irvine, CA.
- Zhang, Deli * and **Dechev, Damian.** *“High Performance C++ Concurrent Transactional Data Structures: Concept, Design, and Implementation”*, at CppCon 2016, Bellevue, WA, September 19, 2016.