

# Department of Computer Science, Publications for the Academic Year May 2017 to May 2018

## Journal Publications

1. Ahmadian, M. and **D. C. Marinescu** "An Analysis of Information Leakage due to Insider and Some Outsider Attacks in Computer Clouds," *Journal of Information Security and Applications* 31:1--10, 2017.
2. Ahmadian, M., F. Plochan, Z. Roessler, and **D. C. Marinescu** "SecureNoSQL: An Approach for Secure Search of Encrypted NoSQL Databases in the Public Clouds," *Int. J. of Information Management*, 37:63-74, 2017.
3. Al-Tameemi, O.\* and **M. Chatterjee**, "Capacity of Finite Secondary Cognitive Radio Networks: Bounds and Optimizations", *Elsevier Computer Communications*, Volume 113, Nov. 2017, pp. 62 - 77.
4. Alves-Oliveira, Patrícia, Richard G Freedman, Dan Grollman, Laura Herlant, Laura Humphrey, **Fei Liu**, Ross Mead, Frank Stein, Tom Williams, Shomir Wilson. "Reports on the 2016 AAAI Fall Symposium Series," *AI Magazine*, Vol. 38, No. 2, pp. 86-90, Summer 2017 DOI: <https://doi.org/10.1609/aimag.v38i2.2735>
5. Atalay, Vildan, and **Hassan Foroosh**, A Linear Well-Posed Solution to Recover High-Frequency Information for Super Resolution Image Reconstruction, *Multidimensional Systems and Signal Processing*, Springer, 2017.
6. Atalay, Vildan, and **Hassan Foroosh**, In-band Sub-Pixel Registration of Wavelet-Encoded Images from Sparse Coefficients, *Signal, Image and Video Processing*, vol. 11, issue 8, pp 1527-1535, 2017.
7. Attiah, A., M.F. Amjad, **M. Chatterjee** and C. Zou, "An Evolutionary Routing Game for Energy Balance in Wireless Sensor Networks", *Elsevier Computer Networks*, Volume 138, 2018, Pages 31–43.
8. Bhattacharjee, S.,\* S. Debroy, and **M. Chatterjee**, "Quantifying Trust for Robust Fusion while Spectrum Sharing in Distributed DSA Networks", *IEEE Transactions on Cognitive Communications and Networking*, Vol. 3, Issue 2, June 2017, pp. 138–154.
9. Biswas, Sudip, Tsung-Han Ku, Rahul Shah, **Sharma V. Thankachan**: Position-restricted substring searching over small alphabets. *J. Discrete Algorithms* 46-47: 36-39 (2017), [doi 10.1016/j.jda.2017.10.001](https://doi.org/10.1016/j.jda.2017.10.001), IF = 0.76
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11. **Bölöni, L.** and **D. Turgut**. Value of information based scheduling of cloud computing resources. *Future Generation Computer Systems*, 71:212–220, June 2017, DOI:10.1016/j.future.2016.10.024,
12. Bowers, RM, Kyrpides NC, Stepanauskas R, Harmon-Smith M, Doud D, Reddy TBK, Schulz F, Jarett J, Rivers AR, Eloë-Fadrosh EA, et al. (includes **Yooseph S**), Minimum information about a single amplified genome (MISAG) and a metagenome-assembled genome (MIMAG) of bacteria and archaea. *Nat Biotechnol*, 2017. 35(8): p. 725-731.
13. Brim, H., **Yooseph S**, Lee E, Sherif ZA, Abbas M, Laiyemo AO, Varma S, Torralba M, Dowd SE, Nelson KE, et al., A Microbiomic Analysis in African Americans with Colonic Lesions Reveals Streptococcus

sp.VT162 as a Marker of Neoplastic Transformation. *Genes* (Basel), 2017. 8(11). DOI: [10.3390/genes8110314](https://doi.org/10.3390/genes8110314).

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17. Chen, Lei,\* Wei Lu, Ergude Bao, **Liqiang Wang**, Weiwei Xing, Yuanyuan Cai. Naive Bayes Classifier Based Partitioner for MapReduce. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, 101(5), pp. 778-786, 2018. Japan.
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## Books

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## Book Chapters

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