Biographical Sketch: Abdullah A. Mueen

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**Professional Preparation**

Bangladesh Univ of Eng Technology Dhaka, Bangladesh Computer Science & Eng. B.Sc. 2006 University of California, Riverside, California, U.S.A Computer Science Ph.D 2012.

**Appointments**

09/2013 – present: Assistant Professor of Computer Science at the University of New Mexico.

2013: Scientist, Cloud and Information Services Lab of Microsoft Corporations

2012: Program manager, Online Services Division (Bing) of Microsoft Corporations

Products

List of 5 Products Most Relevant to the Research Project:

1. Searching and Mining Trillions of Time Series Subsequences under Dynamic Time Warping. Thanawin Rakthanmanon, BIlson Campana, **Abdullah Mueen**, Gustavo Batista, M. Brandon Westover, Qiang Zhu, Jesin Zakaria, Eamonn Keogh,*In the Proceedings* of ACM SIGKDD 2012. pp. 262-270. **Best Paper Award.**
2. TrueView: Harnessing the Power of Multiple Review Sites. Amanda J. Minnich, Nikan Chavoshi, **Abdullah Mueen**, Shuang Luan, Michalis Faloutsos,*In the Proceedings of WWW* 2015. pp. 787-797
3. Enumeration of Time Series Motifs of All Lengths. **Abdullah Mueen** *In the Proceedings of IEEE International Conference on Data Mining,* ICDM 2013. Pp. 547-556.
4. Analyzing the Great Firewall of China Over Space and Time. Roya Ensafi, Philipp Winter, **Abdullah Mueen**, Jedidiah R. Crandall,*In the Proceedings* of PETS 2015. pp. 61-76.
5. Clustering Time series using Unsupervised-Shapelets. Jesin Zakaria, **Abdullah Mueen**, Eamonn Keogh,*In the Proceedings of IEEE International Conference on Data Mining, pp. 785-794,* ICDM 2012.

Other 5 Significant Products:

1. Exact Discovery of Time Series Motifs.  **Abdullah Mueen**, Eamonn Keogh, Qiang Zhu, Sydney Cash, Brandon Westover,*In the Proceedings of SIAM International Conference on Data Mining, pp. 473-484,* SDM 2009.
2. Fast Approximate Correlation for Massive Time-Series Data. **Abdullah Mueen**, Suman Nath, Jie Liu, In the Proceedings of ACM SIGMOD 2010. pp. 171-182.
3. Online Discovery and Maintenance of Time Series Motif. **Abdullah Mueen**, Eamonn Keogh,*In the Proceedings* of ACM SIGKDD 2010. pp. 1089-1098.
4. Experimental comparison of representation methods and distance measures for time series data. Xiaoyue Wang, **Abdullah Mueen**, Hui Ding, Goce Trajcevski, Peter Scheuermann, Eamonn J. Keogh,Data Mining Knowledge Discovery 26(2): 275-309 (2013), DMKD 2013**.**
5. Accelerating Dynamic Time Warping Subsequence Search with GPUs and FPGAs. Doruk Sart, **Abdullah Mueen**, Walid Najjar, Vit Niennattrakul, Eamonn Keogh,*In the Proceedings of IEEE* ICDM 2010. pp. 1001-1006

Synergistic Activities

* Awarded the runner-up for the doctoral dissertation award in KDD 2012. Won the best research paper award in KDD 2012.
* Served on the Program Committees of the ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2012, 2015), IEEE International Conference on Data Mining (ICDM 2013-15), SIAM International Conference on Data Mining (SDM 2013-15) and ACM Conference on Information and Knowledge Management (CIKM 2013-15). Reviewed articles for several journals including Data Mining and Knowledge Discovery (DMKD), Knowledge and Information Systems (KAIS) and IEEE Transactions on Knowledge and Data Engineering (TKDE).
* Presented two tutorials in ICDM 2014 and SDM 2015 and will be arranging a workshop in KDD 2015.
* Three patent applications are on file. Each of the patents is relevant to this project.

**Collaborators and Other Affiliations**

**Collaborators and Co-Editors** (Total: 23 in the last 48 months):

Arnold D. Ph.D. (University of New Mexico), Batista G, Ph.D. (University of São Paulo), Camapana B, Ph.D. (Google), Cash S, M.D., Ph.D., (Harvard Medical School, Massachusetts General Hospital), Crandall J, Ph.D. (University of New Mexico), Estrada T. Ph.D. (University of New Mexico), Faloutsos M, Ph.D. (University of New Mexico), Karampatziakis N, Ph.D. (Microsoft Corporation), Keerthi S, Ph.D. (Microsoft Corporation), Keogh E, Ph.D. (University of California, Riverside), Kumar V. Ph.D. (University of Minnesota), Liu J, Ph.D. (Microsoft Research), Luan S, Ph.D. (University of New Mexico), M. Brandon Westover, M.D., Ph.D. (Harvard-MIT Health Sciences and Technology), Mahbub Hasan (UC Riverside), Najjar W, Ph.D., (University of California, Riverside), Naryanan V, Ph.D. (Microsoft Corporation), Nath S, Ph.D. (Microsoft Research), Rakthanmanon T, Ph.D. (Kasetsart University, Thailand), Sud A, Ph.D. (Microsoft Corporation), Tsotras V, Ph.D. (University of California, Riverside), Xi Chen (University of Minnesota), Young N, Ph.D. (University of California, Riverside).

**Graduate Advisors and Postdoctoral Sponsors:**

Graduate Advisor (Total: 1):Eamonn J. Keogh, University of California, Riverside, California.

Postdoctoral Sponsor (None)

**Thesis Advisor and Postgraduate-Scholar Sponsor** (None)