

Curriculum Vitae

Personal Information

Name: Maen M. Al Assaf

Nationality: Jordanian

Address: King Abdullah II School for Information Technology, The University of Jordan, Amman - Jordan. 962-6-5355000 Ext: 22587.

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Employment:

2012 - Now *University of Jordan, Amman - Jordan*, King Abdullah II School for Information Technology, Associate Professor of Computer Science.

- *Assistant Dean for Development Affairs (September 2012- August 2014)*
- *Vice Dean (June 2014 – August 2015)*
- *Head of Computer Science Department (September 2015 – August 2016)*

Academic Information:

2008 – 2011 *Auburn University, USA:* Department of CSSE, Ph.D Computer Science).

Research Interests:

- Distributed Operating Systems.
- Cloud Computing.

Publications:

- Maen M. Al Assaf, Xunfei Jiang, Mohamed Riduan Abid, Xiao Qin; "**Eco-Storage: A Hybrid Storage System with Energy-Efficient Informed Prefetching**", Journal of Signal Processing Systems, Springer US, DOI: 10.1007/s11265-013-0784-9, 2013.
- Maen M. Al Assaf, "**An Improved TCP Connection Protocol over Wireless Mobile Networks with Mobile Nodes Handoff**" Science Publications , New York, NY, USA. JCS 4(8): 680-692, 2008 ISSN: 1549-3636.
- Maen M. Al Assaf, X. Qin, X. Jiang, J. Zhang and M. Alghamdi, "**A Pipelining Approach to Informed Prefetching in Distributed Multi-Level Storage Systems**", In Proceedings of the 11th IEEE International Symposium on Network Computing and Applications (IEEE NCA'12), Boston, MA, USA. *Acceptance rate 29%.*
- Maen M. Al Assaf, Xunfei Jiang, Xiao Qin, Mohamed Riduan Abid, and Meikang Qiu, "**Informed Prefetching for Distributed Multi-Level Storage Systems**", Journal of Signal Processing Systems, Springer US (Accepted for publication).

- Maen M. Al Assaf, "**Predictive Prefetching for Parallel Hybrid Storage Systems**", International Journal of Communications, Network and System Sciences 8.05 (2015): 161.
- Maen M. Al Assaf, Ali Rodan, Mohammad Qatawneh, "**A Comparison Study Between Informed and Predictive Prefetching Mechanisms For I/O Storage Systems**", International Journal of Communications, Network and System Sciences 8.05 (2015): 181.
- Qasem, Mais Haj, Maen M. Al Assaf, and Ali Rodan. "**Data Mining Approach for Commercial Data Classification and Migration in Hybrid Storage Systems.**" World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering 10.3 (2016): 445-448.
- Benhaddou, Driss, Mohamed Riduan Abid, Ouidad Achahbar, Nacer Khalil, Tajjeeddine Rachidi, and Maen Al Assaf. "**BIG DATA PROCESSING FOR SMART GRIDS.**" IADIS International Journal on Computer Science & Information Systems 10, no. 1 (2015).
- Qatawneh Mohammad, Ahmad Alamoush, Sawsan Basem , Maen M. Al Assaf, and Mohammad Sh. Daoud, "**Embedding Bus and Ring into Hex-Cell Interconnection Network**" , The International Journal of Computer Networks & Communications (IJCNC), AIRCC Publishing Corporation, 2015.
- Xunfei Jiang, Maen M. Al Assaf, Ji Zhang, Mohammed I. Alghamdi, Xiaojun Ruan, Tausif Muzaffar, Xiao Qin; "**Thermal Modeling of Hybrid Storage Clusters**"; Journal of Signal Processing Systems; Springer US; DOI: 10.1007/s11265-013-0787-6, 2013.
- Xunfei Jiang, Mohammed I. Alghamdi, Maen M. Al Assaf , Xiaojun Ruan, Ji Zhang, Meikang Qiu, and Xiao Qin, "**Thermal Modeling and Analysis of Cloud Data Storage Systems**", Journal of Communications Vol. 9, No. 4, April 2014.
- J. Zhang, X.-F. Jiang, M. I. Alghamdi, Maen M. Al Assaf, Y. Tian, X. Qin, and M. Qiu, "**ORCA: An Offloading Framework for I/O-Intensive Applications on Clusters,**" Proc. the 31th IEEE International Performance Computing and Communications Conference (IPCCC), Nov. 2012. (Acceptance Rate: 27.8%, 32/115) (40%, 10 pages)
- X.-F. Jiang, M. I. Alghamdi, J. Zhang, Maen M. Al Assaf, X.-J. Ruan, T. Muzaffar, and X. Qin, "**Thermal Modeling and Analysis of Storage Systems,**" Proc. the 31th IEEE International Performance Computing and Communications Conference (IPCCC), Nov. 2012. (Acceptance Rate: 27.8%, 32/115) (40%, 10 pages)
- J. Lewis, M. I. Alghamdi, Maen M. Al Assaf, X.-J. Ruan, Z.-Y. Ding, and X. Qin, "**An Automatic Prefetching and Caching System**", In Proceedings of the 29th IEEE International Performance Computing and Communications Conference (IPCCC), Albuquerque, New Mexico, USA
- M. RiduanAbid, T.Ben Brahim, Maen M. Al Assaf, T.Rachidi, S. Biaz, "**IEEE 802.11s Wireless Mesh Networks for Last-mile Internet Access: An Up- Down Link Approach**", Journal of Emerging Trends in Computing and Information Sciences, ISSN: 20798407, 2012.

Invited Talks / Conferences Talks:

- Maen M. Al Assaf, "**Bandwidth Digital Divide in the Middle East**", Internet 2 Fall Meeting 2010, Atlanta, GA, USA.
- Maen M. Al Assaf, "**E-learning reality in Jordanian Universities**", Philadelphia University Conference for Distance Learning, May 2014, Jordan.

Memberships:

- *IEEE* www.ieee.org since 2005.
- *ACM* www.acm.org since 2005.
- *Internet 2*: <http://www.internet2.edu>
- *American Society for Information Science & Technology (ASIS&T)*.
- *International Center for Information Ethics (ICIE)*- , 2007.
- *Licensing Executives Society*, www.lesi.org, USA, 2009.

Scholarships and Awards:

- *King Abdullah II School for Information Technology Scholarship*, University of Jordan, Amman, 2009.

Training Experience:

2005 (MCSD) Microsoft Certified Software Development.

References:

- Prof. Xiao Qin, Department of CSSE, Auburn University, USA.
- Prof. David Umphress, Department of CSSE, Auburn University, USA.