

View all Publications for 2011/2012		
Books	Journals	Conferences
Computer Systems Design		
W. Ibrahim, and V. Beiu Using Bayesian Networks to Accurately Calculate the Reliability of CMOS Gates IEEE Transactions on Reliability, vol. 60, no. 3 Sept. 2011 (IF ~ 1.285), 538-549 V. Beiu, and W. Ibrahim Devices and Input Vectors Are Shaping von Neumann Multiplexing IEEE Transactions on Nanotechnology, vol. 10, no. 3 May 2011 (IF ~ 2.292), 606-616 V. Beiu, B.A.M. Madappuram, P.M. Kelly, and L.J. McDaid On Two-layer Brain-inspired Hierarchical Topologies – A Rent's Rule Approach Transactions on High-Performance Embedded Architecture and Compilers (HiPEAC) IV P. Stenström (Ed.), Springer LNCS 6769 Jan. 2011, 316-338		
P. Santagati, and V. Beiu: Will Thermal Noise Affect Nano-Communications? International Conference on Bio-Inspired Models of Network, Information, and Computing Systems BIONETICS'12 Lugano, Switzerland, Dec. 10-12, 2012, In press V. Beiu, L. Iordaconiu, A. Beg, W. Ibrahim, and F. Kharbash Low Power and Highly Reliable Gates Using Arrays of Optimally Sized Transistors IEEE International Semiconductor Conference CAS'12 Sinaia, Romania, Oct.15-17, 2012, 433-436 A. Beg, V. Beiu, and W. Ibrahim		

Unconventional Transistor Sizing for Reducing Power Alleviates Threshold Voltage Variations IEEE International Semiconductor Conference CAS'12 Sinaia, Romania, Oct. 15-17, 2012, 429-432

V. Beiu, M. Calame, G. Cuniberti, C. Gamrat, Z. Konkoli, D. Vuillaume, G. Wendin, and S. Yitzchaik Aspects of Computing with Locally Connected Networks AIP International Conference on Numerical Analysis and Applied Mathematics ICNAAM'12 Kos, Greece, Sept. 19-25, 2012, 1875-1879

V. Beiu, A. Beg, W. Ibrahim, and F. Kharbash Towards Ultra-Low Voltage/Power Using Unconventionally Sized Arrays of Transistors IEEE International Conference on Nanotechnology IEEE-NANO'12 Birmingham, UK, August 20-23, 2012, 6322071(1-5)

V. Beiu, W. Ibrahim, A. Beg, and M. Tache On Sizing Transistors for Threshold Voltage Variations International Workshop on Design for Reliability DFR'12 (in conjunction with the International Conference on High Performance and Embedded Architectures and Compilers HiPEAC'12) Paris, France, Jan. 23-25, 2012, In press

Mohammad Hayajneh and Yasser Gadallah, "DCLRRA: Distributed Cross-Layer Routing and Resource Allocation Techniques for OFDMA-Based Broadband Wireless Networks" , Wiley Wireless Communications and Mobile Computing Journal , 2011.

E-Commerce

Al-Qirim, N. (2011). Determinants of Interactive White Board Success in Teaching in Higher Education Institutions, Computers & Education, Computers & Education, 56(3), April, 827-838.

Enterprise Systems

Shayma Alkobaisi, Wan D. Bae & Sada Narayanappa (2011) Modeling Uncertainty in Moving Objects Databases, Institute of Electronics, Information and Communication Engineers, Journal of Transactions on Information and Systems, Vol. E94-D, No. 12, pp. 2440-2459. (impact factor 0.249)

Wan D. Bae, Shayma Alkobaisi, Sada Narayanappa, Petr Vojtšchovský & Kye Y. Bae (2011) Optimizing Map Labeling of Point Features Based on an Onion Peeling Approach, Journal of Spatial Information Science, Vol. 2, No. 1, pp. 3-28.

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Yacine Atif, Jameela Al-Jaroodi, Shayma Alkobaisi, Ahmed Jaffar, George Dista & Piers Campbell (2011) Enterprise Systems: Curriculum Design and Assessment, Education and Information Technologies, Vol. 16, No. 4, pp. 441-461. (ERA ranking: C)

K. Al Falahi, N. Marverdis, and Y. Atif, "Social Networks and Recommendation Systems: A World of Synergies", in "Social Networks: Computational Aspects and Mining", published by Springer, 2011. [Acceptance Rate: 26%]

K. Al Falahi, S. Harous, Y. Atif, "A Comparative Study of Clustering Algorithms", International Journal of Virtual Communities and Social Networking, IGI Publishing, Vol. 3, Num. 3, pp. 1-18, Oct 2011. [Google Scholar Journal h-index: 5]

Serhani, A. Jaffar, P. Campbell, Y. Atif, "Enterprise Web Services-enabled Translation Framework", Information Systems and e-Business Management,

Springer, Vol. 9, Num. 4, 497-517, Dec 2011. [ISI Impact Factor: 0.605]

Y. Atif, J. Al-Jaroodi, S. Alkobaisi, A. Jaffar, G. Ditsa, P. Campbell, "Enterprise Systems: Curriculum Design and Assessment", Education and Information Technologies Journal, Springer, Vol. 16, Num. 4, pp. 441-46, Dec 2011. [Scopus SJR: 0.21] [Google Scholar Journal h-index: 40]

Y. Atif, "An Architectural Specification for a System to Adapt to Learning Patterns", Education and Information Technologies Journal, Springer, Vol. 16, Num. 3, pp. 259-279, Sep 2011. [Scopus SJR: 0.21] [Google Scholar Journal h-index: 40]

S. Mathew, Y. Atif, Q. Sheng, Z. Maamar, "Managing Things in an Ambient Space", 9th International Conference on Service Oriented Computing, Proceedings published by Springer, Cyprus, 2011.

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Mohammad M. Masud, Tahseen Al-Khateeb, Latifur Khan, Charu C. Aggarwal, Jing Gao, Jiawei Han, Bhavani M. Thuraisingham. Detecting Recurring and Novel Classes in Concept-Drifting Data Streams. In ICDM '11: Proceedings of the IEEE International Conference on Data Mining (ICDM 2011), pp. 1176-1181, Vancouver, Canada, Dec 2011. (Acceptance rate: 18%).

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Faheem Ahmed and Khaled Shuaib, "Incorporating Green IT Concepts in Undergraduate Software Requirements Engineering Course: An Experience Report", to be presented at IEEE ISTI, Madrid, Spain, 20-23 of June 2012.

K Al Nuaimi, M Al Nuaimi, N Mohamed, I Jawhar, K Shuaib, "Web-based wireless sensor networks: a survey of architectures and applications", Proceedings of the 6th International Conference on Ubiquitous Information Management and Communication, ACM, Kuala Lumpur, Malaysia – February 20 - 22, 2012.

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Round Scheduling Algorithm for Divisible Load Applications", to be presented at the Conference on Parallel and Distributed Processing (PDPTA 2012), to be held in Las Vegas, USA July 16-19, 2012.

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Issa Khalil, Mamoun Awad, Salah Bouktif and Falah Awwad, MSN: mutual secure neighbor verification in multi-hop wireless networks. Wiley Security and Communication Networks. DOI: 10.1002/sec.304 (2011) (IF:0.356)

Faheem Ahmed, Luiz Capretz, Salah Bouktif, Piers Campbell, "Soft Skills Requirements in Software Development Jobs: A Cross Cultural Empirical Study", Emerald Journal of Systems and Information Technology to appear in 2011 (Class C, with acceptance rate less than 15%)