

Education

1. **PhD in Computer Science** , October 2014 , Norwegian University of Science and Tech. (NTNU), Norway
2. **Master of Computer Science** , May 2003 , University of Arkansas, USA
3. **Bachelor of Electrical Engineering**, January 1999, Birzeit University, Palestine

Professional experience/Employment history

1. **Arab American University – Palestine**
 - Assistant Professor, Department of Computer Systems Engineering, 2014 – now
 - Dean of the Faculty of Engineering and Information Technology, 2019 - 2021
 - Head of the Computer Systems Engineering Department, 2012 – 2015, 2017 - 2018
 - Assistant of Vice President for Academic Affairs, 2016 - 2017
 - Lecturer, Department of Computer Systems Engineering, 2012 – 2014
 - Instructor, Faculty of Engineering and IT, 2003 – 2008
2. **Miriam AS - Norway**
 - PhD Scholar, 2008 – 2011
3. **Birzeit University - Palestine**
 - Computer Labs' Administrator, 2000 – 2001
 - Teaching Assistant, 1999 – 2000

Taught Courses

1. Embedded Systems
2. Web Programming
3. Advanced Computer Architecture
4. Advanced Object Oriented Programming
5. Network Programming

Publications

1. Abumwais, A., Amirjanov, A., Uyar, K., Eleyat, M. *Dual-port content addressable memory for cache memory applications*, Computers, Materials and Continua, 2022, 70(3), 4584 - 4597
2. Maree, M. and Eleyat, M. *Semantic Graph based Term Expansion for Sentence-Level Sentiment Analysis*. International Journal of Computing, Vol. 19 No. 4 (2020). SCOPUS, SJR 0.20, Q3, H-index 10.
<https://www.computingonline.net/computing/article/view/2000>
3. Al-Qerem, A., Hamarsheh, A., Al-Lahham, Y. A., and Eleyat, M. *Scheduling of Concurrent Transactions in Broadcasting Environment*. KSII Transactions on Internet and Information Systems, 12, 4, (2018), 1655-1673. DOI: 10.3837/tiis.2018.04.014
4. Hamarsheh, A. and Eleyat, M. *Performance Analysis of AIN-PT, AIN-SLT and SIIT Network-Based Translators*, In: Xhafa F., Caballé S., Barolli L. (eds) Advances on P2P, Parallel, Grid, Cloud and Internet Computing. 3PGCIC 2017. Lecture Notes on Data Engineering and Communications Technologies, vol 13. Springer, Cham.
5. Eleyat, M., et al., *Parallel algorithms for the maximum flow problem with minimum lot sizes*, in *Operations Research Proceedings 2011*, D. Klatte, H.-J. Lüthi, and K. Schmedders, Editors. 2012, Springer Berlin Heidelberg. p. 83-88.
6. Eleyat, M. and Natvig, L. *IPM based sparse LP solver on a heterogeneous processor*. Computational Management Science, 2012. 9(2): p. 287-299.
7. Eleyat, M., Natvig, L., and Amundsen, J. *Cache-aware matrix multiplication on multicore systems for IPM-based LP solvers*. in Computer Science and Information Systems (FedCSIS), 2011 Federated Conference on. 2011.
8. Haugland, D., Eleyat M. and Hetland M., *The Maximum Flow Problem with Minimum Lot Sizes*, in Computational Logistics, J. Böse, et al., Editors. 2011, Springer Berlin Heidelberg. p. 170-182.
9. Eleyat, M. and Natvig, L. *Implementation of a linear programming solver on the Cell BE processor*. Procedia Computer Science, 2010. 1(1): p. 1055-1064.
10. Eleyat, M. and Natvig, L. *Mixed-Precision Parallel Linear Programming Solver*. in Computer Architecture and High Performance Computing (SBAC-PAD), 2010 22nd International Symposium on. 2010.
11. Ibrahim, M and Apon, A. *Sorting Using MPI and PVFS on Workstation Clusters*. in Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications(PDPTA), 2003. P. 151-156.