

Curriculum Vitae  
Dr. Asmaa Al-Naqi  
College of Technological Studies  
Shuwaikh, Jamal Abdunasser Street, Kuwait  
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## **Education**

- B.Sc., Computer Engineering, Kuwait University, State of Kuwait, 2001.
- M.Sc., Computer Engineering, Kuwait University, State of Kuwait, 2003.
- Ph.D., Electronic Engineering, The University of Edinburgh, Scotland, UK, 2012.

## **Academic experience**

- Kuwait University, Centre of Information Systems, Computer Engineer, 2001 – 2004, full time.
- PAAET, College of Technological Studies, Electronic Engineering Department, Computer Engineering, Assistant Teacher, 2004 – 2008, full time.
- The University of Edinburgh, College of Science and Engineering, School of Engineering, Integrated Micro and Nano Systems Institute, Researcher, Ph.D. Scholarship, 2008 – 2012, full time.
- PAAET, College of Technological Studies, Electronic Engineering Department, Computer Engineering, Assistant Professor, 2012 – present, full time.

## **Non-academic experience**

**none**

## **Certifications**

**none**

## Current membership

none

## Honors and awards

none

## Service activities

none

## Publications and presentations

- Morales-Reyes, A., **Al-Naqi, A.**, Erdogan, A.T. and Arslan, T. (2009). Towards 3D Architectures: A Comparative Study on Cellular GAs Dimensionality. *In Proceedings of the NASA/ESA Conference on Adaptive Hardware and Systems (AHS '09)*, San Francisco, California, USA. IEEE.
- **Al-Naqi, A.**, Erdogan, A.T., and Arslan, T. (2010). Fault Tolerance through Automatic Cell Isolation Using Three-Dimensional Cellular Genetic Algorithms. *In Proceedings of the IEEE Congress on Evolutionary Computation (CEC '10)*, Barcelona, Spain. IEEE.
- **Al-Naqi, A.**, Erdogan, A.T., and Arslan, T. (2010). Balancing Exploration and Exploitation in Adaptive Three-Dimensional Cellular Genetic Algorithm via Probabilistic Selection Operator. *In Proceedings of the NASA/ESA Conference on Adaptive Hardware and Systems (AHS '10)*, Anaheim, California, USA. IEEE.
- **Al-Naqi, A.**, Erdogan, A.T., and Arslan, T. (2011). Fault Tolerant Three- Dimensional Cellular Genetic Algorithms with Adaptive Migration Schemes. *In Proceedings of the NASA/ESA Conference on Adaptive Hardware and Systems (AHS '11)*, San Diego, California, USA. IEEE.
- **Al-Naqi, A.**, Erdogan, A.T., and Arslan, T. (2011). Dynamic Fault-Tolerant Three- Dimensional Cellular Genetic Algorithms, *Journal of Parallel and Distributed Computing*.
- **Al-Naqi, A.**, Erdogan, A.T., and Arslan, T. (2012). Adaptive Three-Dimensional Cellular Genetic Algorithm for Balancing Exploration and Exploitation Processes. *Special Issue on Bio-inspired Algorithms with Structured Populations* Soft Computing Journal.

**Professional development activities**

**none**