

Ahmed M. Mostafa

Personal Details

Name: Ahmed Mahmoud Mostafa Youssef
Date of Birth: 5 November 1979
Address: Department of Electronics, Communications, and Computer Engineering, Faculty of Engineering, Helwan University, Helwan, Egypt
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Current position: **Lecturer** at Department of Electronics, Communications, and Computer Engineering, Faculty of Engineering, Helwan University.

Education

1. Ph.D. in computer engineering, from Faculty of Engineering, Helwan University, Egypt. (2012) Thesis title is:
Network-on-Chip Energy aware architecture
2. MSc in computer engineering, from Faculty of Engineering, Helwan University, Egypt. (2007) Thesis title is:
Software Technique Toward Formal Representation of Unified Modeling Language
3. BSc in Electronics, Communications, and Computer Engineering, from Faculty of Engineering, Helwan University, Egypt. (2001)
Very Good (First with Honor degree)
Final Year Project (Excellent)

Employment History

2002 – 2007 Demonstrator in Faculty of Engineering, Helwan University.
2007 – 2012 Assistant lecturer in Faculty of Engineering, Helwan University.
2012 – until now Lecturer in Faculty of Engineering, Helwan University.

Work Experience

Teaching the following courses:

- Introduction to computers
- Microprocessors and Microcontrollers
- Introduction to Computer Programming
- Advanced Computer Programming
- Object Oriented Programming
- Data structure and algorithms
- Software engineering
- Operating Systems
- Database Systems
- Computer Architecture

Computing and Other Skills

Computing

Extensively the following programming languages are used: Assembly Language, Visual Basic 6.0, C, SystemC, Object Oriented Programming, Borland C++, Visual C++, JAVA, SQL, and C#.Net Programming Language.

Languages

Fluent in Arabic (native) and English.

Selected Publications

[1] Ahmed M. Mostafa, Manal A. Ismail, El Sayed M. Saad and Hatem El-Bolok. "Toward a Formalization of Use Case Diagram using Z Specifications". Journal of Engineering Sciences, Assiut University, Vol. 34, No. 1, pp. 173-188, January 2006.

[2] Ahmed M. Mostafa, Manal A. Ismail, El Sayed M. Saad and Hatem El-Bolok. "Toward a Formalization of UML2.0 Metamodel using Z Specifications". To be published in Eighth ACIS International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD 2007), china.

[3] El Sayed M. Saad, Medhat H. Awadalla, Sameh A. Salem and Ahmed M. Mostafa, "Network-on-Chip: Power Optimization Architecture Mapping based on Global Interconnection Links", International Journal of Computer and Electrical Engineering (IJCEE), Vol. 3, No 2, pp. 289-296, April 2011.

[4] El Sayed M. Saad, Sameh A. Salem, Medhat H. Awadalla and Ahmed M. Mostafa, "PPNOCS: Performance and Power Network on Chip Simulator based on SystemC", International Journal of Computer Science Issues (IJCSI), vol. 8, issue 6, no. 3, pp. 169-179, November 2011.

[5] El Sayed M. Saad, Sameh A. Salem, Medhat H. Awadalla and Ahmed M. Mostafa, "A Power Efficient, Oblivious, Path-Diverse, Minimal Routing for Mesh-based Networks-on-Chip", International Journal of Computer Science Issues (IJCSI), vol. 9, issue 2, no. 2, pp. 339-347, March 2012.