

Dr. Ashraf Armoush

Computer Engineering Department, An-Najah National University, Nablus, Palestine
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CURRENT POSITION

Head of Computer Engineering Department, An- Najah National University, September 2012 – Present

EDUCATION

- **PhD. Safety Critical Embedded Systems, RWTH-Aachen University, Germany 2007-2010 (magna cum laude)**
- **MSc. Computer Science, University of Jordan, Jordan 2001 –2003 With GPA 3.94 out of 4 (Excellent).**
- **BSc. Electrical Engineering, An-Najah National University, Palestine, 1995 – 2000 With GPA 94.5 % (Excellent).**

WORK EXPERIENCE

- **Assistant Professor, Computer Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. August 2010 - Present.**
- **ABET Project Committee, Engineering Faculty, An-Najah National University, Nablus, West Bank, Palestine. March 2012 - Present.**
- **Research Assistant, Software for Embedded Systems Labraotry (Lehrstuhl Informatik 11 Software für Eingebette Systeme), RWTH-Aachen University. April 2007 – June 2010**
- **Instructor, Computer Engineering Department, An-Najah National University, Palestine. September 2003 - August 2006**
 - Several modules teaching and graduation projects supervision.
 - Active membership in a number of departmental committees.
- **Teaching Assistant, Computer Engineering Department, An-Najah National University, Palestine, September 2000 - August 2001**

COMPUTER SKILLS

- Programming Languages: C/C++, JAVA, C#
- Oracle Database , SQL server
- Hardware Programming Languages: VHDL
- FPGA design tools : Xilinx ISE
- MS Office

TRAINING

- ARTIST summer school in Europe 2009, September 7th -11th 2009 France. Organized by the ArtistDesign European Network of Excellence on Embedded Systems Design.
- ARTIST2 Graduate Course on Embedded Control Systems, May 26-30 2008, Stockholm, Sweden.
- Workshop on the Design of Dependable Critical Systems: “Hardware, Software, and Human Factors in Dependable System Design” In the framework of The 28th International Conference on Computer Safety, Reliability and Security, September 2009, Hamburg, Germany.

AWARDS

- **DAAD PhD Scholarship**, RWTH-Aachen (2007-2010).
- **DAAD Master scholarship**, University of Jordan (2001-2003).
- **Tuition Fee Award**, An-Najah National University, (1995-2000).

COURSES TAUGHT:

BACHELOR COURSES:

- Data Structures
- Object Oriented Programming.
- Information and Network Security.
- Digital II (Advanced Digital Design)
- Digital Design.
- Database
- Microprocessor Lab.
- Digital II Lab.
- Numerical Analysis

PUBLICATIONS

REFEREED JOURNALS:

- A. Armoush, F. Salewski, and S. Kowalewski, "Design Pattern Representation for Safety-Critical Embedded Systems", Journal of Software Engineering and Applications (JSEA), vol. 2, iss. 1, pp. 1-12, 2009
- A. Armoush and S. Serhan, "Compound Global and Local Two-Level Adaptive Branch Predictor", Association for the Advancement of Modelling and Simulation Techniques in Enterprises Journal (AMSE-Modeling A), vol. 77, iss. 5, pp. 49-60, 2004

REFEREED CONFERENCES:

- A. Armoush, E. Beckschulze, and S. Kowalewski, "SafetyAssessment of Design Patterns for Safety-Critical EmbeddedSystems", in Proc. 35th Euromicro Conference on Software Engineering andAdvanced Applications (SEAA 2009), 2009, pp. 523-527.
- A. Armoush, F. Salewski, and S. Kowalewski, "A Hybrid FaultTolerance Method for Recovery Block with a Weak AcceptanceTest", in Proc. The 5th IEEE/IFIP International Conference on Embedded andUbiquitous Computing (EUC 2008), 2008, pp. 484-491.
- A. Armoush, F. Salewski, and S. Kowalewski, "Effective PatternRepresentation for Safety Critical Embedded Systems", in Proc. 2008International Conference on Computer Science and Software Engineering, 2008,pp. 91-97.
- A. Armoush, F. Salewski, and S. Kowalewski, "Recovery Block with Backup Voting: A New Pattern with Extended Representation for Safety Critical Embedded Systems", in Proc. 11th International Conferenceon Information Technology (ICIT 2008), 2008, pp. 232-237.

REFERENCES

- Prof. Dr.-Ing. Stefan Kowalewski, Chair of Computer Science 11 at RWTH Aachen University, Aachen, Germany (PhD Supervisor) [Kowalewski@embedded.rwth-aachen.de]
- Dr. samiserhan: Computer science department at University of Jordan, Amman, Jordan (M.Sc. Supervisor) [samiserh@ju.edu.jo]
- Dr.Raed Al-Qadi: Assistant professor in the computer engineering department at An-Najah National University, Nablus, Palestine (BSc.Supervisor) [alqadi@najah.edu]