

RANDA MOHAMMED ABDELMONEM

Education

Faculty of Computer & Information Sciences AinShams University - Cairo - Egypt
M.Sc. Computer Systems – 2015

Faculty of Computer & Information Sciences AinShams University - Cairo - Egypt
Pre-Masters – Very Good - 2011

Faculty of Computer & Information Sciences AinShams University - Cairo - Egypt
Computer Systems Department – Excellent with honor degree – 2010 Dept.Rank:1st

Masr Al Gdeda Al Namozgia School, Masr Al gdeda
General Secondary Education Certificate -2006
GSEC Grade: 98.5%

Experience

- **Assistant Lecturer**
Faculty of Computer & Information Sciences -AinShams University [June 2015 – Present]
- **Teaching Assistant**
Faculty of Computer & Information Sciences -AinShams University [March 2011 – June 2015]

Teaching Courses

- Computer Architecture.
- Embedded Systems.
- Assembly Language.
- Digital Design.
- Artificial Intelligence.
- Electronics.
- Computer Interfaces and Peripherals.

Publications

- R. Abdelmoneem and E. Shaaban, "Locally Centralized SOCP-based Localization Technique for Wireless Sensor Network", Procedia Computer Science, vol. 73, pp. 76-85, 2015.
- R. Abdelmoneem and E. Shaaban, "Scalable SOCP-based localization technique for wireless sensor network", EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, vol. 3, no. 6, p. 150815, 2016.

Computer skills

Programming languages and technologies

- C++.
- C#.
- Java.
- Prolog.
- Assembly.
- OpenGL.
- Matlab.
- MPI.
- OpenMP.
- OpenCL.
- VHDL.
- Android development.
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Web programming:

- HTML.
- ASP.
- Familiar with: CSS, JavaScript.

Database Development tools and languages

- Microsoft SQL Server.
- Oracle Database.
- MySQL, Microsoft Access
- LINQ.
- ADO.NET.

Microcontrollers

- ARM: CortexM3.
- AVR: Atmega328.

Embedded Boards

- Arduino UNO.
- The Stellaris® LM3S3748.

Productivity Suites

- Visual studio 2005/2008/2010/2012.
- Xilinx ISE 12.1/13/14.5
- Rational Rose.
- Kiel vision.
- AVR Studio.
- Arduino IDE.
- Eclipse.
- Android Studio.
- WSN CASTALIA Simulator.
- IBM CPLEX optimization studio.

Platforms:

- Windows7, Windows XP, Windows Vista.
- Ubuntu, Red Hat.
- RTOS: DuinOS

Conceptual knowledge:

- Object oriented programming design and concepts.
- Parallel programming.
- Structured Programming.
- Logic Programming.
- Software engineering
- Embedded Programming..
- Embedded design & analysis concepts.
- RTOS concepts and scheduling.
- Database design.

Courses & Activities

- Networking Course including networking Basics
Information Security Basics
Network Management Basics
Summer Training 2008-2009-Egypt Post
- IBM Course Including Java SE 5 Programming Fundamentals
Mastering Servlet& JSP Development with Rational-
Application Developer
ITIDA 2009-2010-FCIS, AinShams University

Certificates

- CCNA Exploration from Cisco Networking Academy.
- The Test of English as a Foreign Language (TOEFL ITP).

Language Skills

- **Arabic:** Mother tongue.
- **English:** Very good.
- **French:** Fair.

Personal Data

Data of Birth: 25th September 1989

Nationality: Egyptian

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Email: randa_aboelfatoh@cis.asu.edu.eg

CellPhone: +20 (0114)6576508

Gender: Female