

## **Curriculum Vitae**

### **Niemah Izzeldin Mohamed Osman**

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### **EDUCATION:**

*Sep 2005 - Sep 2006*

Bradford University, Bradford, UK  
*MSc with Distinction in Mobile Computing.*

*Aug 1998 - Aug 2002*

Sudan University of Science and Technology, Sudan.  
*BSc, First Class Honors in Computer Science.*

### **WORK EXPERIENCE:**

*Dec 2006 - to date*

*Lecturer*, Department of Computer Science, College of Computer Science and Information Technology, Sudan University of Science and Technology, Sudan.

*Nov 2007 - Dec 2008*

*Head of Department of Computer Science*, College of Computer Science and Information Technology, Sudan University of Science and Technology, Sudan.

*Aug 2002 - Sep 2005*

*Teaching Assistant*, Department of Computer Science, College of Computer Science and Information Technology, Sudan University of Science and Technology, Sudan.

### **TEACHING EXPERIENCE:**

*Teaching lectures in the following computer science courses:*

- Mobile Communications.
- Cellular Systems.
- Principles of Programming Languages.
- Programming Methods.
- Data Structures.
- Concepts of Programming Languages.
- Object Oriented Programming.

*Assisting students in laboratories in the practical section of the following courses:*

- Data Structures.
- Programming Methods.
- Object Oriented Programming Languages.
- Databases Management
- Numerical Analysis.

### **RESEARCH INTERESTS:**

- Performance modeling of cellular systems.
- Handover optimization.
- Analytical modeling and simulation of QoS measurements for mobile networks.
- Queuing systems.
- Network congestion control.
- Mobile applications.

## **LANGUAGES:**

Fluent speaking, reading and writing of Arabic and English.

## **PROGRAMMING LANGUAGES:**

Java, Pascal, C, C++, Oracle, SQL Server, J2ME, WML, Matlab.

## **PUBLICATIONS:**

Niemah I. Osman, Mike E. Woodward, "A Comparison of Queuing Models for Handover Strategies in Cellular Mobile Telecommunication Systems", AMS, pp. 315-321, Second Asia International Conference on Modeling & Simulation, 2008.

## **CONFERENCES:**

- (1) Second Asia International Conference on Modeling and Simulation, May 2008, Kuala Lumpur, Malaysia.
- (2) Fourth International Working Conference on Performance Modeling and Evaluation of Heterogeneous Networks, September 2006, Ilkley, UK.
- (3) Malaysia International Conference on Languages, Literature, and Cultures, April 2005, Kuala Lumpur, Malaysia.

## **INTERNATIONAL PARTICIPATIONS:**

- (1) Eleventh Innovative Students Conference, August 2008, Lattakia, Syria.
- (2) World Summit Award, December 2003, Geneva, Switzerland.
- (3) Worldwide Mobile Communication & Java Card Developer Contest (SIMagine), February 2002, Cannes, France.
- (4) ACM International Collegiate Programming Contest, November 2001, Cairo, Egypt.

## **TRAINING:**

Designing Educational Books, Distance Education Center, Sudan University of Science and Technology, June 2008.

## **BOOKS AND TEXTBOOKS:**

Author of:

- Programming Using Java, Open University of Sudan, October 2007.
- Java for Beginners, Sudan University of Science and Technology, August 2004.

Coauthor of:

- Elmunhaj in Pascal, Sudan University of Science and Technology, Feb 2000.

## **PRODUCTS:**

- (1) Library System, College of Computer Science and Information Technology, Sudan University of Science and Technology, March 2004.
- (2) Academic and Registration System, Elmanar High School, April 2005.

## **REFERENCES:**

- Dr. Mohamad Alhafiz Mustafa, Dean  
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Sudan University of Science and Technology  
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Khartoum, Sudan  
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- Dr. Amir Abdelfattah Ahmaed Eisa, Assistant Professor  
Department of Computer Systems and Networks  
College of Computer Science and Information Technology  
Sudan University of Science and Technology  
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Khartoum, Sudan  
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