

# Curriculum Vitae Hala Mokhtar

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## Personal Details

**Name:** Hala M. Mokhtar  
**Gender:** Female  
**Present post:** Associate Professor  
**Office Address:** IT department, College of Computer and Information Sciences,  
King Saud University, Riyadh, SA

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## Education

- **Nov. 99 - Mar. 03 : Ph.D. in Computer Science, Liverpool John Moores University, UK**  
The research is about multimedia networking and has the title “Admission Control Mechanisms in Multimedia Networks.” The aim of the research is to develop a general framework for the design of connection admission control (CAC) in IP/ATM networks. It addresses the areas of source modelling, allocation schemes, scheduling disciplines and admission tests.
- **Sep. 99 – Dec. 99 : PG Cert in Software Tech., Liverpool University, UK**  
Grade A.  
Subjects studied are: Unix Operating System & HTML, Programming in C, Programming on the Internet, Object-Oriented Programming with Java, Oracle SQL and Forms, C++ Programming.
- **1992 - 1996: M.Sc. in Computer Engineering, Assiut University, Egypt**  
This is a four years full-time study. The first year for courses and the other three years for research. The research is about Neural Networks and has the title “Classification and Generalization Capabilities of Multi-Layer Feed-Forward Neural Networks.”

- **1985 - 1990: B.Sc. in Electrical Eng. (Communication), Assiut Univ., Egypt**

Grade: Distinction with honor degree, rank: 1<sup>st</sup> , project grade: Distinction

This is a five years full- time study. Subjects studied including, but not limited to, computer architecture, distributed systems, communication theory, system analysis, applied mathematics, calculus, probability theory, digital systems, measurements and testing, and programming languages.

Final year project is about pulse code modulation (PCM) systems.

## **Work Experience**

- **2010- ongoing:** Associate Professor at IT department, College of Computer and Information Sciences, King Saud University, SA
- **2002 - 2010:** Lecturer/Senior lecturer in Computing, School of Computing and Mathematical Sciences, Liverpool John Moores University
- **2001 – 2002:** Instructor in Mathematics & Computing, School of Computing and Mathematical Sciences, Liverpool John Moores University (Part-time).

## **Teaching Interests & Module Responsibilities**

- **Modules:**

- Advanced Computer Networks ( MSc)
- Research Methods (MSc)
- Computer Networks (MSc)
- Internetworking (MSc)
- Wireless Networks (MSc)
- Computer Systems (MSc)
- Multimedia Networking (MSc)
- Wireless & Mobile Computing (BSc)
- Computer Networks (BSc)
- Computer Architecture (BSc)
- Networks 2 (BSc)
- Professional Issues in IT (BSc)
- Database Systems (BSc)
- Data Communications & Computer Networks (BSc)
- Computer Systems and Networks (BSc)
- OO Principles & the .NET Framework (BSc)
- C Programming (BSc)
- JAVA Programming (BSc, CPD)
- Networking (HND)

- BSc & MSc project supervision
- PostDoc., PhD & MPhil supervision
- Students in Placement supervision

## **Admin Work**

- Head of ABET Accreditation Committee, KSU (Sep 2013 – Jan 2018)
- Member of NCAAA Accreditation Committee (Jan 2013 – June 2013)
- Member of ABET Accreditation Committee (Jan 2011 – June 2013)
- Academic adviser (undergraduate/ postgraduate)
- **MSc Subject Leader, LJMU**
  - Computing & Information Systems (CIS)
  - Web Computing (WebC)
  - Internet Computing (IC)
- **BSc Level Tutor, LJMU**
  - Information Technology & Multimedia Systems (ITM)

## **Training & Workshops (attende**

- “Sketching with Arduino” Workshop, HCI Lab, KSU & SheWorks, 16December 2017
- Field trip to CISCO, Riyadh, March 2015
- IBM Bluemix workshop – Hands on cloud computing, KSU, 4 November 2014
- The research Portfolio workshop, KSU, 16 October 2014
- Smart Board, KSU, February 2014
- Virtual Classrooms, KSU, April 2013
- E-course design, KSU, March 2013
- Principles of Learning Management Systems, KSU, April 2013
- The Saudi International Conference on Information Technology, King Abdul-Aziz City For Science & Technology (KACST) 18-19/09/2011
- Open source software workshop, King AbdulAziz City for Science & technology (KACST), 1-3 /05/2011
- IP-Day 2011 (Intellectual Property Workshop), King AbdulAziz City for Science & technology (KACST), 26/04/2011
- Statistical Analysis & SPSS, Liverpool John Moores University
- Microsoft Project 2007, Liverpool John Moores University
- .NET framework & C# programming, Liverpool John Moores University
- EPSRC Early Career Workshop in Information Communication Technology (ICT), Warwick 13-14 Nov. 2008

- Research Bid training – Bid Writing Workshop
- Teaching in large groups, Liverpool John Moores University
- Applying & Managing research Grants, Liverpool John Moores University
- Intellectual Property (IP) Workshop, Liverpool John Moores University
- Diversity in the work place course, Liverpool John Moores University

## **Training & Workshops - Presenter**

ABET accreditation workshop, November 2017

Assessment process – orientation session for new faculty, every semester (2015-2017)

Using Clickers for carrying CLO surveys workshop, 25 November 2014

NCAAA Program specifications workshop, 11 May 2014

NCAAA Course Folder workshop,(12-14) May 2014

Teaching Portfolio workshop, 15 May 2014

New assessment tool for ABET/NCAAA, March 2014

## **Funded Projects**

- Hala Mokhtar (PI), “A Monitoring and Controlling Framework for Wireless Sensor/Actor Networks”, £128k (Jan. 2006 – Dec. 2008) Engineering and Physical Sciences Research Council (EPSRC)
- Hala Mokhtar (PI), “Integration of Wireless Sensor Networks & the Internet,” LJMU Faculty Bid, July 2007
- Hala Mokhtar (PI), “Investigation of Cross-Layer Design for Wireless Sensor Networks,” LJMU University Research Fund, June 2006

## **Project/Thesis Supervision**

- A Monitoring and Controlling Framework for Wireless Sensor/Actor Networks - PostDoc. <http://www.cms.livjm.ac.uk/senman> , funded by EPSRC
- A Semantic Clustering Architecture for Communication in Wireless Sensor Networks - PhD
- High Performance Communication Framework for Mobile Sinks in Wireless Sensor Networks – PhD
- A Self-Detection Scheme for Wireless Sensor Networks Boundary Recognition – MPhil
- A Cellular Management Architecture for Wireless Sensor Networks - PhD
- Dynamic Address Auto Configuration for Mobile Ad Hoc Networks - PhD
- A Hierarchically Structured Architecture Delivering a Worldwide Sensor Web
- **Large number for MSc and BSc projects**

## **Research Activities**

### **Technical Program Committees**

IEEE International Conference on Communications (ICC'09) - AHSN  
IEEE Conference on Local Computer Networks (LCN 2009)  
IEEE International Conference on Scalable Computing & Communications (ScalCom'09)  
IEEE International Conference on Computation, Science & Engineering (CSE'09)  
IEEE Global Communications Conference (GLOBECOM '10)  
IEEE International Conference on Communications (ICC'10) - AHS  
IEEE Conference on Local Computer Networks (LCN 2010)  
IEEE International Conference on Scalable Computing & Communications (ScalCom'10)  
IEEE International Conference on Communications (ICC'11) - AHSM  
IEEE Conference on Local Computer Networks (LCN 2011)  
International Wireless Communications and Mobile Computing Conference (IWCMC 2011)  
IEEE International Conference on Communications (ICC'12) – AHSN  
IEEE Conference on Local Computer Networks (LCN 2012)  
IEEE Global Communications Conference (GLOBECOM '13)  
IEEE Conference on Local Computer Networks (LCN 2013)  
IEEE Conference on Local Computer Networks (LCN 2014)  
IEEE Conference on Local Computer Networks (LCN 2015)  
IEEE Conference on Local Computer Networks (LCN 2016)  
International Conference on Multidisciplinary Method and Model (ICMMM-2016)  
International Conference on Multidisciplinary Method and Model (ICMMM-2017)  
International Conference on Computer Science and Information Technology (ICCSIT 2018)

### **Other Activities**

Students mentor for ACM Programming Jam 4, 17 March 2018  
Reviewer for 2nd International Saudi Health Informatics Conference (ISHIC'17)  
N2Women fellowship mentoring for organizing the N2Women event for IEEE LCN 2016.

### **Organizing Committees**

Post-Graduate Symposium on the Convergence of Telecommunications, Networking & Broadcasting (2004 - 2009).

### **Session Chair**

Post-Graduate Symposium on the Convergence of Telecommunications, Networking & Broadcasting (2004 - 2009).

### **MPhil & PhD examiner**

### **Reviewer for research proposals**

Salman Bin AbdulAziz University (May 2015)  
Engineering and Physical Sciences Research Council (EPSRC)  
King Fahd University, Saudi Arabia

**Reviewer for research papers** for a number of international conferences and journals, including the Computer Communications Journal, IEEE Transactions on Multimedia, IEEE Consumer Communications and Networking Conference (CCNC), IEEE Symposium on Computers and Communications (ISCC) International Journal of Artificial Intelligence and Soft Computing, EUSPN 2014, and many others.

### **Conference Attendance**

- International Conference on Multidisciplinary Method and Model (ICMMM-2016)
- Second Bioinformatics Scientific Meeting (BioSM-KSU) May 4-5th, 2015
- The 5th IEEE National Symposium on Information Technology: Towards New Smart World, 16-18 Feb. 2015

### **Research Interests**

- Wireless sensor and actor networks.
- Wireless & AdHoc networks
- Ubiquitous computing
- Multimedia networking
- Quality of Services (QoS) mechanisms
- Traffic characterization
- Routing and scheduling schemes
- Multi protocol label switching (MPLS) and VoIP
- Network management

### **Publications**

#### **Book Chapters**

M. Yu, H. Mokhtar, and M. Merabti, “Autonomic Networking in Wireless Sensor Networks,” Book Chapter on "Autonomic Computing and Networking", Springer, USA, 2009.

#### **Journal Papers**

- 1) Hala Mokhtar, Afnan Sherbeeni, Ruba Rammal, Lama Al Ehaidib, Amal Al Okaili, Amjad Alshaya and Sarah AlArifi, “Vicinity: An Ad Hoc Social Network for Android Platform Using WiFi Direct”, Advanced Science Letters, accepted

- 2) Ahmed Azmy, Hala Mokhtar, "A Project-Based Framework for Teaching and Assessment of Design Modules", *International Journal of Engineering Education (IJEE)*, Vol. 33, No. 2 A, March 2017
- 3) Mohamed Asim, Hala Mokhtar, Mohamed Z. Khan , "An energy efficient management scheme for wireless sensor networks" *International Journal of Critical Computer-Based Systems*, Vol. 6, Issue 2, December 2015
- 4) Norma Alias, Hala Mokhtar, Yin San, Hafizah Farhah Saipan Saipol, Maizatul Nadirah Mustaffa, Norfarizan Mohd said, Norhalena Mohd Nor, "High Speed Computation of Muscle Stress Problem using Crack Propagation modelling on DPCS platform" *Journal of Computational and Theoretical Nanoscience / Advanced Science Letters*, Vol. 20 No. 10-12, Oct. 2014
- 5) Anjum Asma, Mousmi Chaurasia, Hala Mokhtar, " Cloud Computing Security Issues", *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, Vol. 1, Issue 2, Oct. 2012
- 6) H. Mokhtar, M. A. Chaurasia, Y. A. Younis, " Pragmatic and Comparative Approach of Boundary Recognition in Wireless Sensor Networks," *International Proceeding of Computer Science and Information Technology (IPCSIT)*, vol 13, p 268-273, Nov. 2011
- 7) M. Asim, H. Mokhtar, and M. Merabti, " A self-managing fault management mechanism for wireless sensor networks" *International Journal of Wireless & Mobile Networks (IJWMN)* Vol. 2, No. 4, Nov 2010
- 8) M. Yu, H. Mokhtar, and M. Merabti, "A Self-Organized Middleware Architecture for Wireless Sensor Network Management," *International Journal of Ad Hoc and Ubiquitous Computing (IAHUC)*, Special Issue on: "System Aspects of Wireless Networks", Vol. 3, No. 3, 2008.
- 9) M. Yu, H. Mokhtar, and M. Merabti, "Fault Management in Wireless Sensor Networks," *IEEE Wireless Communications*, special issue on Wireless Sensor Networks, Vol. 14, No. 6, Dec. 2007
- 10) H. Mokhtar, R. Pereira, and M. Merabti, "Cell-by-Cell Round Robin Service Discipline for ATM Networks," *Lecture Notes In Computer Science*; Vol. 2094, Pages 507 – 516, ISBN:3-540-42303-6, 2001.
- 11) Y. B. Mahdy and H. Mokhtar, "New Design Approaches for Neural-Based Analogue-to-Digital Converters," *Bulletin of the faculty of Engineering, Assiut University*, vol. 23, part 2, July 1995.

## Conference Papers

- 1) Hala Mokhtar, Afnan Sherbeeni, Ruba Rammal, Lama Al Ehaidib, Amal Al Okaili, Amjad Alshaya and Sarah AlArifi, "Vicinity: An Ad Hoc Social Network for Android Platform Using WiFi Direct", The 1st International Virtual Conference On Multidisciplinary Method And Model ICM MM' 2016, Johor, Malaysia, August 2016
- 2) Hala Mokhtar, Rabiah Alnashwan, Ghadah Alabduljabbar, Ebtahal Altaieb, Norah Alqhtani, Adeeba Alhaduri, "Smart Home: A mobile application to support the elders using wireless sensor networks", The 2nd International Conference on Communication, Information Technology and Robotics 2016 June 2-4, Dubai, United Arab Emirates
- 3) Afnan Sherbeeni, Amal Al Okaili, Amjad Alshaya, Lama Al Ehaidib, Ruba Rammal, Sarah Al-Arifi, Hala Mokhtar, "Vicinity", International Conference on Cloud Computing ICC C' 15, Princess Norah University, Riyadh, KSA, 27-28 April 2015 – Best Poster
- 4) Marwa M. Khan, Haya A. altuwaijri, Sumayia J. Alanazi, Hala Mokhtar, "Social Networks and The Internet of Things", PSCW graduate students Conference on Advances in Software Engineering , Prince Sultan University, Riyadh, KSA, 22<sup>nd</sup> of December 2014
- 5) Sihaam Alotaibi, Nada Alalyani, Hala Mokhtar, "Congestion Control Mechanisms at Transport Layer in Wireless Sensor Network", PSCW graduate students Conference on Advances in Software Engineering , Prince Sultan University, Riyadh, KSA, 22<sup>nd</sup> of December 2014
- 6) Norma Alias, Hala Mokhtar, Yin San, Hafizah Farhah Saipan Saipol, Maizatul Nadirah Mustaffa, Norfarizan Mohd said, Norhalena Mohd Nor, "High Speed Computation of Muscle Stress Problem using Crack Propagation modelling on DPCS platform" International Conference on Internet Services Technology and Information Engineering (ISTIE 2014), Bali, Indonesia, 31st May 2014
- 7) Samirah Nasser, Sarah Al-Qahtani, Nouf Al-Sloom , Ohoud Al-Shenify, Shooq Al-Otaibi, Hala Mokhtar, "E-Vote System: An Interactive Classroom" the 6th Annual Undergraduate Research Conference on Applied Computing (URC 2014) Zayed University, Dubai, April 2014.



- 8) Eman Al-juhani , Alaa Abdullah Al-Rakaf , Nouf Al-Qahtani, Ashwaq Alsubaie, Nouf Al-Owaini, Hala Mokhtar,, “ ELDEROID: A mobile application to support the elders,” the 4th Annual Undergraduate Research Conference on Applied Computing (URC 2013) Zayed University, Dubai, April 2013.
- 9) Ameerah Dafir AL-Shehri, Furat Fahad AL-Tukhaim, Hanan, Abdulaziz AL-Othaimeen, Mona Abdullah AL-Humud, Norah Ibraheem AL-Kharashi, Hala Mokhtar, “Research Groups in King Saud University Collaborative Website,” the 4th Annual Undergraduate Research Conference on Applied Computing (URC 2013) Zayed University, Dubai, April 2012.
- 10) I. Khan, N. Jabeur, M. Z. Khan, H. Mokhtar,, “An Overview of the Impact of Wireless Sensor Networks in Medical Health Care “ the 1<sup>st</sup> Taibah University International Conference on Computing and Information Technology (ICCIT), Al-Madinah Al-Munawwarah, SA, 12-14 March 2012
- 11) Bayan Al-Mohquem, Saba Hamdan, Hala Mokhtar, “Edu-talk: A Distance Learning Instant Messaging System” the 1<sup>st</sup> Taibah University International Conference on Computing and Information Technology (ICCIT), Al-Madinah Al-Munawwarah, SA, 12-14 March 2012
- 12) I.Khan, H. Mokhtar, M. Merabti, “Enhancements to the Self-Detection Scheme for Wireless Sensor Networks Boundary Recognition” the Fourth International Conference on the Developments of e-Systems Engineering (DeSE), Dubai, 6<sup>th</sup> -8<sup>th</sup> Dec. 2011
- 13) H. Mokhtar, M. A. Chaurasia, Y. A. Younis, ” Pragmatic and Comparative Approach of Boundary Recognition in Wireless Sensor Networks” The 2<sup>nd</sup> International Conference on Future on Information Technology (ICFIT), Singapore, Sep. 2011
- 14) M. Asim, H. Mokhtar, M. Z. Khan, and M. Merabti “A Sensor Relocation Scheme for Wireless Sensor Networks,” 25<sup>th</sup> IEEE International Conference on Advanced Information Networking and Applications (AINA): Workshop on Telecommunication Networking, Applications and Systems (TeNAS), Biopolis Singapore, March 2011.
- 15) M. Asim, M. Yu, H. Mokhtar, and M. Merabti, “A Self-Configurable architecture for Wireless Sensor Networks” The 3<sup>rd</sup> International Developments in eSystems Engineering Conference (DeSE) , London, UK, September 2010

- 16) Shih-Hao Chang, M. Merabti, H. M. Mokhtar, "A Causal Model Method for Fault Diagnosis in Wireless Sensor Networks" The 10<sup>th</sup> IEEE International conference on Computer and Information Technology, CIT 2010, Bradford, UK, June 2010
- 17) I. Khan, H. Mokhtar, M. Merabti, "A new self-detection scheme for wireless sensor networks boundary recognition" The 34<sup>th</sup> IEEE Conference on Local Computer Networks, LCN'09, Zürich, Switzerland, Oct. 2009.
- 18) Ian Rhead, Madjid Merabti, Hala Mokhtar, Paul Fergus, Amjad Shaheed, A Hierarchically Structured Worldwide Sensor Web Incorporating IEEE 1451, The 10th Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, 22nd - 23rd June, Liverpool, UK, 2009.
- 19) M. Asim, H. Mokhtar, and M. Merabti, "A cellular approach to fault detection and recovery in wireless sensor networks," The Third International Conference on Sensor Technologies and Applications, SENSORCOMM 2009, Athens/Vouliagmeni, Greece June 2009
- 20) Ian Rhead, Madjid Merabti, Hala Mokhtar, Paul Fergus, "A Hierarchically Structured Worldwide Sensor Web Architecture," IEEE Consumer Communication and Networking Conference CCNC 2009 Short Papers, Las Vegas, Nevada, USA, 10th - 13th January, 2009.
- 21) Ian Rhead, Madjid Merabti, Hala Mokhtar, Paul Fergus, "A Hierarchically Structured Architecture for a Worldwide Sensor Web," 23<sup>rd</sup> IEEE International Conference on Advanced Information Networking and Applications (AINA): Workshop on Telecommunication Networking, Applications and Systems (TeNAS), Bradford, UK, 2009.
- 22) M. Yu, H. Mokhtar, and M. Merabti "Self-Managed Fault Management in Wireless Sensor Networks", The Second International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, UBICOMM 2008, Valencia, Spain, Sep. 2008.
- 23) M. Asim, H. Mokhtar, and M. Merabti, "A Fault Management Architecture for Wireless Sensor Networks," International Wireless Communications and Mobile Computing Conference, IWCMC '08, Crete Island, Greece, Aug. 2008.
- 24) M. Asim, H. Mokhtar, and M. Merabti, "Cellular Self-Organization Architecture for Wireless Sensor Networks," The 9<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2008

- 25) K. Ijaz, H. Mokhtar. And M. Merabti, "A Survey of Boundary Detection Algorithms for Sensor Networks," The 9<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2008
- 26) Ian Rhead, Madjid Merabti, Hala Mokhtar, Paul Fergus, "Worldwide Sensor Web Framework Overview," The 9<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2008.
- 27) M. Yu, H. Mokhtar, and M. Merabti, "A Biologically Inspired Fault Management Architecture for Self-Managing Wireless Sensor Networks," Fourth EuroFGI Workshop on Wireless and Mobility, Barcelona, Spain, Jan. 2008.
- 28) Shih-Hao Chang, Madjid Merabti, Hala M. Mokhtar, "Fault Tolerance Magnetic Coordinate Routing for Mobile Sinks Wireless Sensor Networks (FTMC)" the IASTED International Conference on Communication Systems, Networks and Applications (CSNA 2007), Beijing, China, Oct. 2007.
- 29) F. Bouhafs, M. Merabti, and H. Mokhtar, "A Node Recovery Scheme for Data Dissemination in Wireless Sensor Networks" IEEE International Conference on Communications ICC'07, Glasgow, Uk, June 2007.
- 30) Shih-Hao Chang, Madjid Merabti, Hala M. Mokhtar, "Spider-Net Zone Routing Protocol for Mobile Sink Wireless Sensor Networks", The International Conference on Wireless Networks (ICWN'07) Monte Carlo Resort, Las Vegas, Nevada, USA, June 2007.
- 31) M. Yu, H. Mokhtar, and M. Merabti, "A Survey of Fault Management in Wireless Sensor Networks", The 8<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2007.
- 32) Shih-Hao Chang, Madjid Merabti, Hala M. Mokhtar, "Regional Radiation Topology Algorithm for Mobile Sinks in Wireless Sensor Networks", The 8<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2007.
- 33) F. Bouhafs, M. Merabti, and H. Mokhtar, "Mobile Event Monitoring Protocol for Wireless Sensor Networks", International Workshop on Telecommunication Networking, Applications and Systems (TeNAS'2007), Niagara Falls, Canada, May 2007.
- 34) Shih-Hao Chang, Madjid Merabti, Hala M. Mokhtar: "Coordinate Magnetic Routing for Mobile Sinks Wireless Sensor Networks", International Workshop on Telecommunication Networking, Applications and Systems (TeNAS'2007), Niagara Falls, Canada, May 2007.

- 35) F. Bouhaf, M. Merabti, and H. Mokhtar, "A Coordination Framework for Wireless Sensor and Actor Networks", The International Conference on Late Advances in Networks ICLAN'06, Paris, France, December 2006
- 36) Shih-Hao Chang, Madjid Merabti, Hala M. Mokhtar "MBRP: Magnetic-Based Routing Protocol for Mobile Sinks Wireless Sensor Networks", Networks: Computation, Communication and Applications (NCCA'06) PhD Student Workshop, University of Oxford, UK, June 2006.
- 37) F. Bouhaf, M. Merabti, and H. Mokhtar: 'A Coordination Protocol for Wireless Sensor and Actor Networks,' The 7<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2006.
- 38) M. Yu, H. Mokhtar, and M. Merabti, "A Survey of Network Management Architecture in Wireless Sensor Network", The 7<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2006.
- 39) S. Chang, M. Merabti, H. M. Mokhtar, "MBRP: Magnetic-Based Routing Protocol for Mobile Sinks Wireless Sensor Networks ",The 7<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2006
- 40) S. Indrasinghe, R. Pereira, H. Mokhtar, "Hosts Address Auto Configuration for Mobile Ad Hoc Networks" Performance Modelling and Evaluation Of Heterogeneous Networks Conference HET-NETs'06, Ilkley, West Yorkshire. UK, 2006.
- 41) F. Bouhaf, M. Merabti, and H. Mokhtar, "A semantic Clustering Routing Protocol for Wireless Sensor Networks", IEEE Consumer Communications and Networking Conference CCNC'06, Las Vegas, NV, USA, 8-10 January 2006.
- 42) F. Bouhaf, M. Merabti, and H. Mokhtar: 'A Semantic Clustering Scheme for Wireless Sensor Networks,' The 6<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2005.
- 43) S.-H. Chang, M. Merabti, and H. Mokhtar: 'EQEN - Efficient Quality of Service Framework for Mobile Sinks Wireless Sensor Networks,' The 6<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2005.
- 44) M. Karim, R. Pereira, and H. Mokhtar: 'A Survey on Quality of Service in Wireless Networks Environments,' The 6<sup>th</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2005.

- 45) R. Pereira and H. Mokhtar: 'A Packetized Round Robin Service Discipline for IP Audio Streams in MPLS DiffServ Networks,' Third Performance Modelling And Evaluation Of Heterogeneous Networks Conference HET-NETs'05, Ilkley, West Yorkshire. UK, 2005.
- 46) H. Mokhtar, R. Pereira, and M. Merabti: 'A Per-segment Allocation Scheme for Deterministic Services of VBR Traffic,' First Performance Modelling And Evaluation of Heterogeneous Networks Conference HET-NETs'03, Ilkley, West Yorkshire. UK., 2003.
- 47) H. Mokhtar, "Admission Control Mechanisms for Multimedia Networks," PhD dissertation, Liverpool John Moores University, UK, March, 2003
- 48) H. Mokhtar, R. Pereira, and M. Merabti: 'An Effective Bandwidth Model for Deterministic QoS Guarantees of VBR Traffic,' the Eighth IEEE Symposium on Computers and Communications ISCC'03, Antalya, 2003.
- 49) H. Mokhtar, R. Pereira, and M. Merabti: 'Fair-Rate GPS: A New Class for Decoupling Delay and Bandwidth Properties,' The Seventh IEEE Symposium on Computers and Communications ISCC'02, Italy, 2002.
- 50) H. Mokhtar, R. Pereira, and M. Merabti: 'A Variable Resource Allocation Scheme for Deterministic Services of VBR Traffic,' The 2<sup>nd</sup> Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, , Liverpool, UK, June 2001.
- 51) H. Mokhtar, R. Pereira, and M. Merabti: 'Cell-by-Cell Round Robin Service Discipline for ATM Networks,' the International Conference on Networking ICN'01, Colmar, France, 2001.
- 52) H. Mokhtar, R. Pereira, and M. Merabti: 'Resource Allocation Scheme for Deterministic Services of Video Streams,' the Sixth IEEE Symposium on Computers and Communications ISCC'01, Tunisia, 2001.
- 53) Y. B. Mahdy and H. Mokhtar, "A New Learning Algorithm for Two-Layer Neural Networks in a Binary Field," the 3<sup>rd</sup> ICAIA, Cairo, Egypt, Jan 1995.
- 54) Y. B. Mahdy and H. Mokhtar, "Design of Neural-Based Code Converters," the 20<sup>th</sup> International Conference for Statistics Computer Science and Its Scientific Applications, Cairo, Egypt, 1995.