



Dr Fatema Shaikh

Assistant Professor

Personal Data

Nationality | British

Date of Birth | 15/11/1984

Department | Computer Information Systems

Official IAU Email | fsshikh@iau.edu.sa

Office Phone No. | n/a

Language Proficiency

Language	Read	Write	Speak
Arabic	High	High	High
English	High	High	High

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2010	PhD Eng. and Info. Sciences	London, UK	Middlesex University
2009	PG Cert Higher Education	London UK	Middlesex University
2003	MSc Computer Networks	London UK	Middlesex University
2001	BEng Computer Science	Kolhapur India	Shivaji University

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Proactive QoS Management using TBVH in wireless heterogeneous networks
Master	Technical Challenges in Wireless Technology deployment for Telemedicine Applications
Fellowship	-



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	University of Dammam	Saudi Arabia	Dammam	Current status
Education Technology Manager	Pearson TQ	Saudi Arabia	Makkah, Madinah and Buraydah	02/15 – 09/15
Education and Information Technology Manager	Yusuf Islam Foundation	UK	London	07/11 – 02/15
Adjunct Associate Professor	University of Notre Dame	UK	London (Piccadilly Circus campus)	09/12 – 12/14
Lecturer	British Institute of Technology	UK	London	05/10 – 07/11
Lecturer (part time)	Middlesex University	UK	London	01/04 – 05/10

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Quality Coordinator	Computer Information Systems Department	Current role
ABET team member (female coordinator)	Computer Information Systems Department	01/16 – 11/16
Technical Trainer	Colleges of Excellence, Pearson – Middle East	02/15 – 09/15
Technical Project PMO	Yusuf Islam Foundation	12/11 – 02/15
CPD Coordinator	British Institute of Technology	06/10/ - 07/11



Scientific Achievements

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Shaikh F, Glenford Mapp G and Aboubaker Lasebae	<i>A Survey of Network Coverage Prediction Mechanisms in 4G Heterogeneous Wireless Networks</i>	CSIE, July 2011
2	F. Shaikh, G. Mapp, M. Aiash, R. Vanni, M. Augusto, E. Moreira	<i>Exploring Efficient Imperative Handover Mechanisms for Heterogeneous Networks</i>	EUPS, August 2009
3	F. Shaikh, A. Lasebae, G. Mapp	<i>Proactive Policy Management for Heterogeneous Networks</i>	ICTTA, April 2008
4	F. Shaikh, G. Mapp, J. Crowcroft, D. Cottingham	<i>Y-Comm: A global architecture for heterogeneous networking</i>	WICON'07, October 2007
5	F. Shaikh, G. Mapp, A. Lasebae	<i>Proactive policy management using TBVH mechanism in heterogeneous networks</i>	NGMAST'07, September 2007
6	F. Shaikh, G. Mapp, D. Cottingham, P. Vidales, L. Patanapongpibul, J. Baliosian and J. Crowcroft	<i>An Architectural Framework for Heterogeneous Networking</i>	WINSYS 2006
7	F. Shaikh, A. Lasebae and G. Mapp	<i>Client-based SBM Layer for Predictive Management of Traffic Flows in Heterogeneous Networks</i>	ICTTA 2006
8	F. Shaikh, A. Lasebae and G. Mapp	<i>Stream Bundle Management Layer for Optimum Management of Co-existing Telemedicine Traffic Streams under Varying Channel Conditions in Heterogeneous Networks</i>	MIT 2005
9	F. Shaikh, A. Lasebae and G. Whitney	<i>Critical Analysis of High-Speed Wireless Standards for Transferring Telementoring Information</i>	IEEE ICTTA 2004



Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	F Shaikh (Middlesex University)	Proactive Vertical Handovers using TBVH in Wireless Heterogeneous Networks	April 2010
2	F Shaikh (Middlesex University)	Intelligent layers development for YComm Framework	January 2010
3	F Shaikh (Middlesex University)	Curriculum Internationalization in Higher Education	July 2009
4	F Shaikh (TQ Pearson)	Roadmap for the Deployment and Evolution of LMS systems in Middle East	July 2015

Membership of Scientific and Professional Societies and Organizations

- ACM
- IEEE

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Object Oriented Programming		Lectures, Labs, tutorials
2	Database Design and Management		Lectures, tutorials
3	Network Fundamentals	CIS 315	Lectures, Labs
4	Advanced Networking and Protocols	CIS 325	Lectures, Labs
5	Computer Organisation		Lectures, Labs
6	ECommerce		Lectures
7	Academic Writing		Lectures, workshops, tutorials
8	Information Systems Management	CIS 424	Lectures, Labs



Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Emerging Wireless Technologies		Lectures, Labs
2	OPNET simulation		Lectures, Labs
3	Network Management and Disaster Recovery		Lectures, Labs

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	Emerging Wireless Technologies – A board and in depth coverage of emerging wireless standards in the world and their operation and QoS Management
2	OPNET Simulation – Coverage of theoretical simulation concepts and hands on exercises that teach students to design develop and troubleshoot wired and wireless networks.
3	Network Management and Disaster Recovery – This topic covers network management and disaster recovery techniques for different types of networks.

Course Coordination

#	Course Title and Code	Co-coordination	Undergrad.	Postgrad.	From	to
1	Communication and Network Fundamentals	Yes	Yes		09/16	01/16
2	OPNET Simulation	Yes		Yes	09/05	04/10
3	Emerging Technologies	Yes		Yes	05/10	12/10

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	School of Education	Curriculum Internationalization	Middlesex University	09/09
2	Staff Training	OPNET Workshops	Middlesex University	07/06
3	Postgraduate training	OPNET Workshops	Middlesex University	07/06
4	CPD staff training	Importance of CPD	British Institute of Technology	10/10
5	Pearson Faculty Training	Blackboard LMS	Pearson Colleges of Excellence in Saudi Arabia	05/15

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Undergraduate	10 (Ongoing)		
2	Undergraduate	2	05/05	12/10
3	Postgraduate	7	05/01	04/10



Supervision of Master and/or PhD Thesis

#	Degree Type	Institution	Date
1	Masters	Middlesex University	04/05
2	Masters	Middlesex University	01/06
3	Masters	Middlesex University	05/06
4	Masters	British Institute of Technology	12/10
5	Masters	British Institute of Technology	12/10
6	Masters	British Institute of Technology	12/10
7	Masters	British Institute of Technology	12/10

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	Current	Current	Quality Coordinator	CIS Department CCSIT college UOD
2	01/16	11/16	ABET CIS Female Coordinator	CIS Department CCSIT college UOD
3	07/11	02/15	Technical Project PMO	Yusuf Islam Foundation
4	06/10	07/11	CPD Coordinator	British Institute of Technology

Committee Membership

#	From	To	Position	Organization
1	01/16	11/16	CIS Female Coordinator ABET Committee	Computer Information Systems Department CCSIT College UOD
2	10/15	Current	CIS Board Member	Computer Information Systems Department CCSIT College UOD
3	01/05	05/14	Steering Committee Member	YComm Global Research Group

Scientific Consultations

#	From	To	Institute	Full-time or Part-time
1	03/15	09/15	Pearson Education	Part Time
2	06/11	02/15	Yusuf Islam Foundation	Part Time

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	01/05	04/15	Events Organiser	Palmers Green Mosque
2	04/04	03/10	ISOC Member	Middlesex University Islamic Society
3	05/05	12/14	Mentor	Young Muslim Females Group



Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	IT SKILLS Platforms: Windows Server 2003, 2008, 2012, Windows 8/7/Vista/XP (professional and home), Linux, Android, Apple IOS, DOS 6.22, Mac OS X 10.7 Lion, 10.9 Mavericks. Programming/ Scripting: C/C++, Java, Javascript, Python, SQL, HTML/XML, MS Access, Visual Studio. LMS: Blackboard, PowerSchool, Sakai, Moodle. Software: MS Office Suite 2007/2010/365, Visio, Symantec, Kaspersky, McAfee client and server security solutions, Adobe design suite, GoogleApps.
2	AWARDS AND HONOURS <ul style="list-style-type: none">• Middlesex University Chancellor's Award for Academic Excellence (awarded for 6 consecutive years for continued excellence in research contributions)• MSc Computer Networks Management, School of Computing Science - Best performance and highest grades among peers.• PG Cert Higher Education - Award for new contributions made in the area of curriculum internationalisation.• Middlesex University Research Student/Tutor Scholarship - Scholarship covering tuition fees and living expenses for entire 5 year PhD program.

Last Update

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