

CURRICULUM VITAE

Manar Abu Talib
Department of Computer Science
University of Sharjah
Sharjah, UAE
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EDUCATIONAL EXPERTISE

- + Software Engineering
- + Software Measurement
- + Software Testing
- + Software Quality
- + Open Source Software
- + Computer Science Education
- + Information Security
- + Programming
- + Web Technologies
- + Entrepreneurship

PERSONAL

- Citizenship: Canadian
- Languages: English (excellent), Arabic (excellent)

PROFILE

- Over ten years' teaching experience in university
- Over twelve years' research experience in Software Measurement and Quality
- Able to carry out independent research and to lead/participate in team projects
- Special blend of technical and communication skills
- Effective team-player, flexible, energetic and devoted to research, community service and teaching

EDUCATION

- **Ph.D. in Computer Science & Software Engineering**
Concordia University, Montreal, Canada **2004-2007**
- **COSMIC-FFP Certificate**
Engineering School of High Technology, University of Quebec, Canada **2006**
- **M. Sc. Electrical & Computer Engineering**
Concordia University, Montreal, Canada **2002-2004**
- **B. Sc. Computer Science (Minor in Mathematics)**
Concordia University, Montreal, Canada **1997-2002**
- **High School Diploma**
Aisha School, Abu Dhabi, U.A.E **1997**

PROFESSIONAL COMPETENCES

□ **Institution** : **University of Sharjah, Sharjah, UAE**

Date : **August 2013 – present**

Occupation : **Assistant Professor**

Teaching Responsibilities:

- Teaching Programming and Problem Solving using C++.
- Teaching Web Programming.
- Teaching Object Oriented Design with Java.
- Teaching Software Engineering for undergraduate and graduate students.
- Teaching IT Application in E-Commerce/ Problem Solving/ OO Design & Implementation for IT Multimedia students.
- Supervising Interns.

Research Responsibilities:

- Open Source Software in the Arab World.
- Open Source Software in the UAE: Challenges, Opportunities & Recommendations.
- Open Source Software Use in Law Enforcement/Education in the UAE.
- Quality in Use Models & Metrics.
- New Strategies for Student Recruitment into Computing Fields.
- Published four journals and two international conference papers.

Other responsibilities:

- Chairing several department committees and university committees.
- Supervising the CS students' club/ students' recruitment activities.
- CS Seminars to high school students.
- Organizing more than 100 CS events & activities.

□ **Institution** : **Zayed University, Abu Dhabi, UAE**

Date : **August 2007 – July-2013**

Occupation : **Assistant Professor**

Teaching Responsibilities:

- Teaching Programming and Problem Solving using Visual Basic .Net/Java.
- Teaching Applied Programming and Open Source Software.
- Teaching Information Security.
- Teaching Web Development and Enterprise Web Applications.
- Teaching Entrepreneurship and Business Plan Concepts.
- Supervising more than 30 graduation projects.
- Supervising Interns.
- Supervising Independent Studies.

Research Responsibilities:

- Open Source Software Deployment in UAE Education Sector.
- Development of an Open Source Platform for the Health Sector.
- Use of Software Measurement in UAE Software Industry.
- Application of ISO Standards for Software Quality and Information Security.
- Published 30 publications in refereed journals and international conferences.

Other responsibilities:

- Chairing several department committees and university committees.
- Supervising the IEEE Student Branch.
- IT Seminars to University College students.
- Organized several IT events & activities.

- **Institution** : **Zayed University, Abu Dhabi, UAE**
Date : **January 2006 – June 2007**
Occupation : **Adjunct Instructor**
Responsibilities:
 - Teaching Programming and Problem Solving using Visual Basic .Net.
 - Teaching Software Measurement.
 - Supervising graduation projects.

- **Institution** : **Al HOSN, Abu Dhabi, UAE**
Date : **September 2006 – June 2007**
Occupation : **Adjunct Instructor**
Responsibilities:
 - Teaching Introduction to Programming using Java.
 - Teaching Computer Applications.
 - Teaching Math courses: Pre-Calculus and Linear Algebra.

- **Institution** : **Concordia University, Montreal, Canada**
Date : **May 2004 – May. 2007**
Occupation : **Researcher**
Responsibilities:
 - Analyze software functional complexity measurements.
 - Analyze ISO standards for software functional size measurement.
 - Compare software measurements for functional complexity and functional size.
 - Analyze COSMIC-FFP (ISO 19761) to be used in Software Testing and Reliability.

- **Institution** : **Concordia University, Montreal, Canada**
Date : **May 2002 – April 2004**
Occupation : **Associate Researcher**
Responsibilities:
 - Analyze the correctness of Real Time Systems.
 - Design and implement a testing tool to test Real Time Systems.
 - Develop a simple parser for reading and extracting the information from a file which describes the Real Time Systems in terms of Timed Input Output Automaton (TIOA).

- **Company** : **Dar El Salam School, Montreal, Canada**
Date : **October 1999 – April 2002**
Occupation : **Adjunct Teacher**
Responsibilities:
 - Teaching Islam, Arabic Language and Computer Applications.
 - Achieve educational and behavioural objectives.
 - Coordinate exams, assignments and activities.

PROFESSIONAL COMPETENCES

- **Operating Systems** UNIX, Novell, Linux, Windows...
- **Database Management System** Oracle, SQL Server, MySQL, MS Access...
- **Design Methods** UML, Design patterns...
- **Modelling Tools** Rational Rose, Microsoft Office Visio...
- **Programming languages** C++, Java, SQL, VB, .Net, Open GL...
- **Software Measurement Methods** COSMIC-FFP, Cyclomatic Number, LOC...
- **Software Testing Methods** Alpha, Beta, Unit, Regression, Integration...
- **Specification Languages** Larch, PVS, Z...
- **Mathematical Software** Scientific Notebook, Minitab, Maple...
- **Web Development** Dreamweaver, FrontPage, HTML, XML, JavaScript...
- **Compilers** Lex and Yacc and Java Compiler Compiler.

PUBLICATIONS

Book Chapters

1. **Manar Abu Talib**, Alain Abran, Olga Ormandjieva, “COSMIC-FFP and Functional Complexity (FC) Measures: A Study of their Scales, Units and Scale Types.” Book chapter in *COSMIC Function Points: Theory and Advanced Practices*, Reiner Dumke and Alain Abran (eds.), Auerback Publications – Taylor & Francis LLC, Boca Raton, Florida, 2011, pp. 157-169.
<http://www.scribd.com/doc/58285526/Cosmic-Function-Points>
2. **Manar Abu Talib**, Adel Khelifi, Alain Abran, Olga Ormandjieva. Assessment of Real-Time Software Specifications Quality using COSMIC-FFP. Book chapter in *Software Process and Product Measurement*, vol. 4895/2008, LNCS book series, Springer Berlin / Heidelberg, Germany, pp. 183-194, 2008. DOI 10.1007/978-3-540-85553-8_15.
<http://www.springerlink.com/content/586705886875p143/?MUD=MP>

Refereed Journal articles

1. **Manar Abu Talib**, Quality in Use Analysis to Evaluate User Experience of Open Source Software Compatible with MATLAB, *International Journal of Open Source Software and Processes* 7(3), 2017.
2. **Manar Abu Talib**, “Towards early software reliability prediction for computer forensic tools (case study),” *SpringerPlus* 2016, 5:827.
<https://springerplus.springeropen.com/articles/10.1186/s40064-016-2539-0>
3. **Manar Abu Talib**, Open Source Software in the Arab World: A Literature Survey, *International Journal of Open Source Software and Processes* 7(1): DOI: 10.4018/IJOSSP.2016010103, 2016.
<http://www.igi-global.com/article/open-source-software-in-the-arab-world/179925>
4. **Manar Abu Talib**, “Encouraging High School Student Interest in Computing Studies in GCC: UAE Case Study,” *Journal of Computer Science* 11 (11): 1032.1040, ISSN: 1549-3636, 2015.
<http://thescipub.com/PDF/jcssp.2015.1032.1040.pdf>
5. **Manar Abu Talib**, Muhammed Abu Odeh, Adhraa Almansoori, Arwa Al Nauimi "Enhancing Social Science Research in the UAE: An Open Source Software

Solution University of Sharjah (UOS) Case Study,” Journal of Computer Science 11: 98.108, ISSN: 1549-3636, 2015.

<http://thescipub.com/PDF/jcssp.2015.98.108.pdf>

6. **Manar Abu Talib**, Ashraf Elnagar, “A new Computer Science Student Recruitment Strategy University of Sharjah (UOS) Case Study,” Journal of Computer Science 11 (1): 145-152, ISSN: 1549-3636, 2014. <http://thescipub.com/PDF/jcssp.2015.145.152.pdf>
7. **Manar Abu Talib**, May El Barachi, Adel Khelifi, Olga Ormandjieva, “Guide to ISO 27001: UAE Case Study,” Issues in Informing Science and Information Technology (InSITE Journal), vol. 9, pp. 331-349, ISSN: 1547-5840, 2012.
8. **Manar Abu Talib**, May El Barachi, Olga Ormandjieva, “An Innovative Marketing Strategy to Promote our College of IT: Zayed University Case Study,” Issues in Informing Science and Information Technology (InSITE Journal), vol. 9, pp. 161-175. ISSN: 1547-5840, 2012.
9. **Manar Abu Talib**, Adel Khelifi, Osama El-Temtamy, Fatima Ismaeel, Mahra Rashed, Najah Hasan, Summaya Khaled, “Finding a Practical IT Solution – Open Source Accounting Software,” Journal of Communication and Computer – David Publishing Company (JCC), vol. 9, no. 4, 2012.
10. **Manar Abu Talib**, Adel Khelifi, Leon Jololian, “Secure Software Engineering: A New Teaching Perspective based on the SWEBOK,” Interdisciplinary Journal of Information, Knowledge, and Management (IJIKM Journal), vol. 5, pp. 83-99. ISSN: 1555-1229, 2010.
11. Adel Khelifi, **Manar Abu Talib**, Mohamed Farouk, Habib Hamam, “Developing an Initial Open Source Platform for the Higher Education Sector: A Case Study: ALHOSN University,” IEEE Transactions on Learning Technologies, 2 (3): 239-248, July-September, 2009. IEEE Computer Society Digital Library. IEEE Computer Society: <http://doi.ieeecomputersociety.org/10.1109/TLT.2009.13>
12. Olga Ormandjieva, **Manar Abu Talib**, Alain Abran, “Reliability Model for Component-Based Systems in COSMIC-FFP (A Case Study): Special Issue on Testing and Quality Assurance for Component-Based Systems,” International Journal of Software Engineering and Knowledge Engineering, vol. 18, no. 4, 2008. ISSN: 0218-1940. <http://www.worldscientific.com/doi/abs/10.1142/S0218194008003763>
13. Adel Khelifi, **Manar Abu Talib**, Deena Al Safi, Danah Khater, “Software Measurement in the UAE: A Survey Research,” Journal of Software Measurement (JSM), vol. 1, ISSN: 1862-7420. <http://jsm.cs.uni-magdeburg.de/>
14. Adel Khelifi, **Manar Abu Talib**, “A Study on Software Functional Size Measurement,” International Journal of Computer Science and Engineering, in Arabic (JCSEA), vol. 1, no. 3, ISSN 1936-0525, 2008. <http://www.ijcsea.org/Publications-eng.aspx>

Papers in refereed conference proceedings

15. **Manar Abu Talib**, “Towards Sustainable Development through Open Source Software in GCC,” in the 2015 IEEE International Symposium on Signal Processing and Information Technology (ISSPIT). 7-10 December 2015, Abu Dhabi. pp: 52-56. DOI Bookmark: <http://doi.ieeecomputersociety.org/10.1109/ISSPIT.2015.7394391>

16. **Manar Abu Talib**, Ashraf Elnagar, “Inspiring Students to Empower Computer Science,” in the 7th International Forum on Engineering Education (IFEE2015). Quality Assurance in Engineering Education, 17-19 March 2015, University of Sharjah, United Arab Emirates.
17. **Manar Abu Talib**, Bashayer Mezhel, Huda Abdulla, Reem Khalid, Zamzam Ali, “Deploying Open Source Software (OSS) in the UAE Schools”, in proceedings of the 10th European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS). 17-18 October 2013, Windsor, United Kingdom. ISBN: 978-1-908549-11-2
18. **Manar Abu Talib**, Adel Khelifi, Tahsin Ugurlu, “Using ISO 27001 in Teaching Information Security,” in the 38th Annual Conference of the IEEE Industrial Electronics Society (IECON 2012), pp. 3149 – 3153, 25-28 Oct. 2012, Montreal, Canada. ISBN: 978-1-4673-2419-9.
19. **Manar Abu Talib**, Emilia Mendes, Adel Khelifi, “Towards Reliable Web Applications: ISO 19761,” in the 38th Annual Conference of the IEEE Industrial Electronics Society (IECON 2012), pp. 3144 – 3148, 25-28 Oct. 2012, Montreal, Canada. ISBN: 978-1-4673-2419-9.
20. Emilia Mendes, **Manar Abu Talib**, Steve Counsell, “Applying Knowledge Elicitation to Improve Web Effort Estimation: A Case Study,” IEEE 36th Annual Computer Software and Applications Conference (COMPSAC 2012), pp. 461 – 469, 16-20 July 2012, Izmir, Turkey. ISBN: 978-1-4673-1990-4.
21. **Manar Abu Talib**, Omar Al Fandi, Heba Al Ammari, Asma Al Amri, Asma Al Mansoori, “Entrepreneurship Games: Overview and their Future in the UAE.” European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2012), pp. 485-497, 7 - 8 June, Munich, Germany. ISBN: 978-1-908549-03-7.
22. **Manar Abu Talib**, May El Barachi, Adel Khelifi, Hanadi Obaid, Ayesha Sultan, “Towards a Women’s Entrepreneurship Century: The UAE Case Study.” European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2012), pp. 498-508, 7 - 8 June, Munich, Germany. ISBN: 978-1-908549-03-7.
23. **Manar Abu Talib**, Adel Khelifi, Fatema Al Mansori, Zahra Ballaith, Eman Hableel, “Innovative Use of IT Applications for Teaching Entrepreneurship to Youth: UAE Case Study,” European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2012), pp. 509-522, 7 - 8 June, Munich, Germany. ISBN: 978-1-908549-03-7.
24. Adel Khelifi, Mohammed Ghazal, Hussain Al Bloushi, **Manar Abu Talib**, “A Mobile Application for Incident Detection and Tracking System,” International Conference on Advances in Computer, Electronics and Electrical Engineering, Bombay, India.
25. **Manar Abu Talib**, May El Barachi, “Revitalizing the IT College: A Case Study,” in Proceedings of the 2nd Manipal Conference on Technology Management (MCTM-2011), March 2011, ISSN No.: 2222-4696, pp. 1-5.
26. **Manar Abu Talib**, Adel Khelifi, May El Barachi, “Exploratory Study on Innovative Use of ISO Standards for IT Security in the UAE.” European, Mediterranean & Middle Eastern Conference on Information Systems 2011 (EMCIS2011), pp. 798-808, 30-31 May, Athens, Greece. ISBN: 978-1-902316-85-7.

27. Qusay Mahmoud, **Manar Abu Talib**, Zakaria Maamar, Emad Bataineh, Leon Jololian, “Revitalizing Introductory Programming at Zayed University,” 2011 IEEE GCC Conference, Dubai, UAE.
28. **Manar Abu Talib**, Adel Khelifi, Olga Ormandjieva, Alain Abran, “Techniques for Quantitative Analysis of Software Quality throughout the SDLC: The SWEBOK Guide Coverage.” In 8th ACIS International Conference on Software Engineering Research, pp. 321-328. Management and Applications - SERA 2010, Montreal, May 24-26, 2010, IEEE-CS Press, Los Alamitos.
29. Adel Khelifi, **Manar Abu Talib**, “Developing an Open Source Platform for the Health Sector.” European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2010), 12-13 April, Abu Dhabi, UAE. ISBN: 978-1-902316-80-2.
30. Adel Khelifi, **Manar Abu Talib**, Amani Al Shabibi, Asma Al Zaabi, Nasra Al Marshoudi, “Open Source Software in the UAE: A Survey Research,” in the 3rd International Symposium on Web Services (WSS-2010), Dubai, U.A.E.
31. **Manar Abu Talib**, Adel Khelifi, Alain Abran, Olga Ormandjieva, “A case study using the COSMIC-FFP Measurement Method for Assessing Real-Time System Specifications,” in 17th International Workshop of Software Measurement (IWSM-2007).
32. **Manar Abu Talib**, Olga Ormandjieva, Alain Abran, “AS-TRM And Functional Size With COSMIC-FFP,” IEEE International Symposium on Industrial Electronics (ISIE'07), Vigo, Spain.
33. Abdeslam En-Nouaary, **Manar Abu Talib**, “TTRTS: A Tool for Testing Real Time Systems,” in 3rd International Conference: Sciences of Electronic, Technologies of Information and Telecommunications, March 27-31, 2005, Tunisia.

Technical reports

34. **Manar Abu Talib**, “Measurement of Steam Boiler using COSMIC-FFP (ISO 19761): Assumption 1,” Technical Report, Engineering Research Laboratory of École de Technologie Supérieure – Université du Québec (Canada), January 2011.
35. **Manar Abu Talib**, “Measurement of Steam Boiler using COSMIC-FFP (ISO 19761): Assumption 2,” Technical Report, Engineering Research Laboratory of École de Technologie Supérieure – Université du Québec (Canada), April 2011.
36. **Manar Abu Talib**, “Measurement of Steam Boiler using COSMIC-FFP (ISO 19761): Assumption 3,” Technical Report, Engineering Research Laboratory of École de Technologie Supérieure – Université du Québec (Canada), April 2011.

Manuals

37. **Manar Abu Talib**, Adel Khelifi, Wazeera Bawazeer, Mouza Saeed, *COSMIC-FFP Manual – 2.2, ISO 19761* (Arabic version), published by the COSMIC Organization (<http://www.cosmicon.com/>), 2008.
38. **Manar Abu Talib**, Mohamed Farouk, Adel Khelifi, Dalal Abdulaziz, Sakeena Mohamed, Sumaya Hashim, “Installing Open Education Package – Version 1,” 2009. <http://sourceforge.net/projects/education4all/>
39. **Manar Abu Talib**, Mohamed Farouk, Adel Khelifi, Abrar Salem, Amena Younes, Fatema Abdul Qader, Huda Ateq, Samar Omer, “Installing Open Health Package – Version 1,” 2009. <http://sourceforge.net/projects/health4all/>

40. **Manar Abu Talib**, Osama El Temtamy, Mohamed Farouk, Adel Khelifi, Fatima Ismaeel, Mahra Rashed, Najah Hasan, Summaya Khaled, “Installing Open Accounting Package – Version 1,” 2010.

<http://sourceforge.net/projects/accounting4all/>

Sponsored Research and Academic Activities

- *The 1st Software Measurement Workshop in the Middle East*, hosted by Zayed University, Abu Dhabi, 2008.
- *Developing an Open Source Package for the Health Sector*, sponsored by Zayed University, Abu Dhabi, 2009.
- *Installing and Administrating Open Source Platform Workshop*, hosted by Zayed University, Abu Dhabi, 2009.
- *Security ISO Standards*, sponsored by Zayed University, Abu Dhabi, 2010. AED 25,000.
- *IT Standards Day*, sponsored by ESMA, ADSIC, Injazat Data Systems and Nbiz Infosol, Abu Dhabi, 2010. AED 34,000.
- *Zayed University Competition in IT*, sponsored by Telecommunications Regulatory Authority (TRA), Injazat Data Systems, Al Jaber Group and Municipality of Abu Dhabi City, Abu Dhabi, 2011. AED 120,000.
- *Germany Trip with six IT students to participate in EMCIS 2012*, sponsored by Abu Dhabi Police, June 2012. AED 50,000.
- **Involved** in iHRIS Suite which is an Open Source HRIS software that supplies health sector leaders and managers with the information they need to assess HR problems, plan effective interventions, and evaluate those interventions.

http://www.ihris.org/wiki/IHRIS_Ideas_List

- *Getting two awards for two students from National Research Foundation to participate in EMCIS2012 conference in Germany.*
- *SEED Project, Research Department, University of Sharjah, 2013-2016.*
- *Google CS4HS Award, October 2014, US \$8,000.*
- *Emirates Digital Association for Women (EDAW111) participation in the 18th Global Women Leaders Conference*, sponsored by Al Jaber Group, AED 40,000.
- *Enhancing Computing Studies in High Schools in the UAE, Research Department, University of Sharjah, 2016-2018, AED 65,000.*
- *Deployment of Open Source in Law Enforcement in the UAE, Research Department, University of Sharjah, 2016-2018, AED 80,000.*
- *IoT Testbed for testing IoT devices in the UAE, DESC, to be funded, 2017-2018.*

Publications in progress

- **Manar Abu Talib**, Testing Closed Source Software: Computer Forensic Tool Case Study, *submitted to the Journal of Computer Virology and Hacking Techniques.*
- **Manar Abu Talib**, Open Source Software in the UAE: Opportunities, Challenges and Recommendations (A Survey Research Study), *submitted to Journal of Computer Science.*

- **Manar Abu Talib**, Nafisa Ahmed, Balsam Alkouz, Abdullah Abdulkarim, Exploratory Study on Estimating the Cost of an Open Source Platform for an Astronomy Center, *submitted to International Journal of Open Source Software and Processes*.
- **Manar Abu Talib**, Reem Alnanih, Application of Quality in Use Model to Evaluate Open Source Digital Forensics Tools, *submitted to Journal of Software Practice and Experience*.
- **Manar Abu Talib**, Selma Manel Medjden, Areej Alsaafin, Quality in Use of Online Banking Software: A comparative study, *submitted to the International Arab Journal of Information Technology, Elsevier*.

AWARDS AND HONORS

- *Exemplary Faculty Award 2008*, Zayed University, Abu Dhabi, U.A.E.
- *The Best Teacher Award 2009*, Zayed University, Abu Dhabi, UAE.
- *The Best Teacher Award 2010*, Zayed University, Abu Dhabi, UAE.
- *Exemplary Faculty Award 2010*, Zayed University, Abu Dhabi, U.A.E.
- *Google CS4HS Award 2014*, Google, USA.
- *Anita Borg Faculty Scholarship 2015*, Anita Borg Institute, USA.
- *QCRI ArabWIC prestigious full scholarship to attend the largest conference for women in computing, Grace Hopper Conference (GHC 2015) in the USA, 2015*.
- *Exemplary University & Community Service Award 2016*, University of Sharjah, Sharjah, U.A.E.
- *Exemplary Leader Award in Management Position, Women in STEM, Meera Kaul Foundation, Dubai, 2016*.

SOCIAL AND PROFESSIONAL ACTIVITIES

Professional Presentations

- “Open Source for High Schools”, **Invited talk**. Teacher Training Center, Ministry of Education, 21st of May 2017.
- “OpenUAE Research & Development Community”, **Invited talk**. Fast Forward Summit 2017, TRA, 14th of May 2017.
- “Arab Women in Computing”, **Invited talk & panelist**. Arab-German Young Academy of Sciences and Humanities, American University of RAK (AURAK), January 2017.
- “An Education Perspective: Women in STEM”, **panelist**. Global Women in STEM Conference”, Crown Plaza, Dubai, 25th -26th October 2016.
- “Arab Women in Computing”, **Invited talk & panelist**. IEEE WIE Leadership Summit, American University of Dubai (AUD), October 2016.
- “OpenUAE: Time to Lead”, **Invited talk**. IEEE Student Day, Manipal University, October 2016.
- “Leadership, Career & Women”, **Invited talk**. American University of Sharjah (AUS), March 2016.
- “Why Grace Hopper Conference”. **Invited talk**. ArabWIC Tech Talks (Webinar), Nov, 2015.

- “Overview of Open Source Technologies for the Arab World”. **Invited talk**. ArabWIC Tech Talks (Webinar), Sep 21, 2015.
<https://developer.ibm.com/opentech/2015/09/23/open-source-consumers-and-contributors/>
- “Open Source Software in the Arab World”. **Invited talk** at École de technologie supérieur (ETS), Montreal, Aug 14th, 2015.
- “A Successful Women Leaders Case Study”. **Invited talk at 18th Global women Leadership conference**, Burj al Arab, Dubai, Mar 08, 2015.
- “Ankabut & Emirates Digital Association for Women (EDAW111): Collaborate. Innovate. Impact”. **Invited talk at Ankabut Annual Meeting**, Zayed University, Abu Dhabi, Nov. 2014.
- Tahsin Ugurlu, Ramalingam Dharmalingam, **Manar Abu Talib**, “*Cloud Computing, Promises and Delivery: A Novel Framework for Performance Analysis*”, **abstract submitted and presented** at Test Istanbul 2012 Conference, Turkey.
- “Use of Open Source Software to Enhance Social Research in the UAE”. **Invited talk at forum: Integrating the efforts of Social Research Institutions to Support the Decision Making Process in the United Arab Emirates**, at the Emirate Center For Strategic Studies and Research, Abu Dhabi, May 2012.
- “Women Entrepreneurship in the UAE”. **Invited talk** at Arab Women in Computing Conference in New York University in Abu Dhabi, March 2012.
- “Scenario-based Black-Box Testing for Digital Forensics Tools: COSMIC-FFP perspective”. **Invited talk** at International Summer Research Symposium on Software Engineering Measurement, Montreal, Canada, 2010.
- “Use of COSMIC-FFP for Early Quality Assessment”. **Invited talk** at the Research Conference on Information Technology, hosted by Zayed University, Dubai, 2007.

Professional Activities

2016-2017

- **Organizer**, OpenUAE Competition, Innovation Week, Nov. 23rd & 24th, 2016.
- **Judge**, Oracle Academy Day, Middlesex University, Dubai, Nov 21st, 2016.
- **Organizer**, IEEE WIE Leadership Summit, Dubai, 2016.
- **ArabWIC Newsletter Editor**, 2016-2017.

2015-2016

- **Ministry of Education Committee**, for Innovation Ambassadors Program, 2016.
- **Ministry of Education Committee**, for Design and Technology Curriculum, 2016.
- **Judge**, Ministry of Education, Innovation Ambassadors Program, 2016.
- **Co-Chair**, 11th International Conference on Innovations in Information Technology, November 1-3, 2015. Dubai, UAE.
<http://www.it-innovations.ae/iit2015/Ocommittees.html>
- **Publicity Co-Chair**, the IEEE Symposium on Signal Processing and Information Technology (ISSPIT), December 2015. Abu Dhabi, UAE.

- **Poster Committee**, the Grace Hopper Conference (GHC 2015/ GHC 2016), USA. <http://gracehopper.anitaborg.org/about/conference-leadership/>
- **International Committee**, the European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS2015).
- **TPC**, Machine Learning for Predictive Models in Engineering Applications (MLPMEA), 2015.
- **TPC**, the 7th IEEE International Conference on Computer Science and Information Technology CSIT 2016.
- **UAE IEEE Newsletter Editor**, 2015-2016.
- **EDAW111 Newsletter Editor**, 2015.

2014

- **Technical Program Committee**, 10th International Conference on Innovations in Information Technology, November 9-11, 2014. Al Ain, UAE.
<http://www.it-innovations.ae/iit2014/Tcommittees.html>
- **Poster Committee**, the Grace Hopper Conference (GHC 2014), USA.
http://gracehopper.org/wp-content/uploads/sites/2/2014/10/ABI_GHC-2014-Online-Program_Addendum.pdf
- **International Committee**, the European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS2014).
- **UAE IEEE Newsletter Editor**, 2014-2015.

2013

- **Program Committee**, CUBE 2013 International Information Technology Conference (CUBE 2013).
- **Technical Program Committee**, 9th International Conference on Innovations in Information Technology, November 9-11, 2014. Al Ain, UAE.
<http://www.it-innovations.ae/iit2013/Tcommittees.html>
- **International Committee**, the European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS2013).
- **UAE IEEE Webmaster**, 2013-2014.
- **ArabWIC Newsletter Editor**, 2013-2014.

2012

- **Organizer** for the Monthly Faculty Research Seminar at Zayed University.
- **Publicity Chair and Software Engineering Track Chair** for the International Information Technology Conference & Exhibition, Pune, India.
- **Publication Chair** for the Joint Conference of the 22nd International Workshop on Software Measurement (IWSM) and the 7th International Conference on Software Process and Product Measurement (Mensura), Assisi, Italy (<http://iws2012.wordpress.com/>). I succeeded in having full papers and short papers accepted for the conference proceedings, which will be available in the IEEE Computer Society Digital Library and IEEE Xplore.
- **Program Contributor** for the Test Istanbul 2012 Conference, Turkey.
- **International Contributor and Session Chair** for the European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS2010).

- **Poster Chair and Session Facilitator** for the Women as Global Leaders Conference, Abu Dhabi.

2010

- **Publication Chair, Publicity Chair, and Session Chair** of the European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS2010), hosted by Zayed University, Abu Dhabi.

Professional Reviewer

- **Reviewer** for the 1st IEEE International Conference on Computer Systems and Industrial Informatics (ICCSII'12).
- **Program Committee Member** for the International Information Technology Conference & Exhibition, Pune, India, September 2012.
- **Program Committee Member** for IWSM/MENSURA 2012, the Joint Conference of the 22nd International Workshop on Software Measurement (IWSM) and the 7th International Conference on Software Process and Product Measurement (Mensura), Assisi, Italy, 2012.
- **International Member** of the European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2012), Munich, Germany.
- **Reviewer** for the 9th ACIS Conference in Software Engineering Research, Management & Applications (SERA 2011).
- **Reviewer** for the 8th ACIS Conference in Software Engineering Research, Management & Applications (SERA 2010).
- **Reviewer** for the 36th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA 2010).
- **Reviewer** for the European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2010).
- **Reviewer** for the 2nd Conference on Computer Science & Software Engineering (C3S2E), 2009.
- **Reviewer** for the 13th International Workshop on Software Measurement (IWSM), Montreal, Canada, 2009.
- **Reviewer** for the Innovations in Information Technology 2007 Conference (November 2007), Al-Ain, UAE.
- **Reviewer** for the Web Technology Conference, Dubai, 2007
- **Reviewer** for the International Journal of Software Engineering and Knowledge Engineering, 2006.

Professional Meetings

- **Attended** IEEE Technical Workshop on Open Source Technologies, American University of Emirates, November, 2016.
- **Attended & participated** at Grace Hopper Conference 2015, Texas, USA, 2015.
- **Attended** ABET Workshop, IEOM 2015, Dubai, February 2015.
- Creativity, Innovation, and Entrepreneurship **meeting** with provost Dr. Larry Wilson in February, 2012, Zayed University.
- Creativity, Innovation, and Entrepreneurship **meeting** with US consultants Drs. Elizabeth Gatewood and Tony Mendes in March, 2012, at Zayed University.
- **Attended** the National Advisory Council Meeting on May 10, 2012, on the Abu Dhabi Campus and participated in the discussion.

- **Attended** the Data Center and Cloud Computing Technologies Conference, Injazat, March, 2012.
- **Attended** the 2011 ABET Annual Conference, Washington, USA, July, 2011.
- The Future of Open Source at the Institute for Technological Innovation (ITi), Dubai, 2007.
- Professional development series, Software Measurement, delivered to four students at Zayed University in the spring of 2006.

Professional Membership

- **International Research Collaborator** in the Software Engineering Research Laboratory (GÉLOG) since 2008.
- **IEEE Member** since 2012.
- **Executive Member** of the Arab Women in Computing Association (ArabWIC) since March 2012.
- **Executive Member** of UAE IEEE Section since 2012.
- **Google Developer Group Manager** in Sharjah since September 2013.
- **COSMIC-FFP Education Committee** since 2015.
- **VP Chapters of Arab Women in Computing (ArabWIC)** since 2016.
- **Founder, Emirates Digital Association for Women (EDAW111)** 2013.
- **CEO, Emirates Digital Association for Women (EDAW111)** 2014-2016.
- **Google Developer Group Advisor in Abu Dhabi** 2012-2016.
- **UAE representative for the COSMIC International Advisory Council** 2008-2015.
- **Academic Advisor** for www.EasyA.ae , 2014-2015.
- **Computer Science Society Advisor** at University of Sharjah, 2013-2015.
- **Zayed University IEEE Student Branch Counselor** 2012-2013. The geo-code is STB10951. www.zu.ac.ae/ieee

College/University Professional Activities

No.	Committee/Task Force	Role	Academic year
University of Sharjah			
1	Organized more than 40 events/seminars/workshops/trips	Chair	2015-2017
2	Annual Report Committee (University/College) Student Recruitment & Publicity (Department) Summer Training Committee (Department) Think Science (Department) Innovation Committee (Department)	Chair	2015-2017
3	Academic Students' Affairs Committee (University)	Member	2015-2016
4	Organized more than 20 events/seminars/workshops/trips	Chair	2014-2015
5	Annual Report Committee (University/College) Resources Committee (Department) Student Recruitment & Publicity (Department) Summer Training Committee (Department) Think Science (Department)	Chair	2014-2015
6	Organized more than 40 events/seminars/workshops/trips	Chair	2013-2014

7	Sharjah Open Day (University) Social Committee (Department) Student Recruitment (Department) Resources Committee (College)	Chair	2013-2014
Zayed University			
1	Student Affairs Committee	Chair	2012-2013
2	Research Committee	Member	2012-2013
3	Student Recruitment Committee	Member	2011-2012
4	Faculty Affairs Committee	Member	2011-2013
5	Student Affairs Committee	Member	2007-2012
6	Research Committee	Member	2007-2011
7	Programming Task Force	Member	2007-2011
8	Web Development Task force	Member	2007-2011
9	Capstone Project Committee	Chair	2008-2009
10	Open Source Task Force	Chair	2008-2009
11	Secure Software Engineering Task Force	Chair	2008-2009
No.	Workshop Title	Role	Academic year
1	1 st Workshop on Open Source	Chair	2008-2009
2	2 nd Workshop on Open Source	Chair	2008-2009
3	1 st Workshop on IT ISO Standards	Chair	2009-2010
4	2 nd Workshop on IT ISO Standards	Chair	2009-2010
5	Undergraduate Research Workshop	Chair	2010-2011
6	1 st Workshop on Entrepreneurship	Chair	2010-2011
7	2 nd Workshop on Entrepreneurship	Chair	2011-2012
8	Three Workshops on Programming	Chair	2011-2012
No.	Committee/Task Force (University Level)	Role	Academic year
1	Student Affairs Standing Committee	Member	2012-2014
2	Entrepreneurship Committee	Member	2011-2012
3	Innovative Teaching and Teaching Methodologies Task Force	Member	2011-2012
No.	Workshop/Conference/Event Title	Role	Academic year
1	1 st Software Measurement Workshop	Chair	2007-2008
2	First Annual Undergraduate Research Conference on Applied Computing	Publicity Chair	2008-2009
3	Open Source Day	Chair	2009-2010
4	Second Annual Undergraduate Research Conference on Applied Computing	Chair	2009-2010
5	2 nd International ICST conference on Digital Forensics and Cybercrime	Publicity Chair	2010-2011
6	IT Standards Day	Chair	2010-2011
7	Zayed University IT Competition	Chair	2010-2011
8	Mini Entrepreneurs Event	Chair	2011-2012

Professional Supervisor

- Supervisor for the following Capstones:
 1. Designing and developing a testing tool using the COSMIC-FFP methodology, by Shaima Abdul Rahman, 2006.
 2. Developing the Arabic Manual for COSMIC-FFP Version 2.2, by Wazeera Ba Wazeer and Mouza Saeed, 2006. ***Published by a Canadian Lab.***
 3. Research study on Software Measurement in the UAE, by Deena Al Safi and Danah Khater, 2006. ***Published in a journal.***
 4. Developing a software measurement tool using the COSMIC-FFP Manual, by Manal Ibrahim, Sameera Saeed, and Hajer Hamad, 2007.
 5. Developing a chat application with other communication features, by Hammeda Faisal and Ahlam Saman, 2007.

6. Open Source health platform, by Khadeeja Mohsen, Fatima Khalifa, Inas Abdul Rahman, and Hafsa Humaid.
7. Developing an education application by Fatima Al Zahra and Mona Soroor, 2008.
8. Developing a car application, by Aisha Mohamed, Fatima Saleh, Huda Jasem, Ameera Al Kindy, and Yusra AlMessabi, 2008.
9. Developing Caravan project by Sareya, Mariam and Kholoud, 2008.
10. Developing a COSMIC-FFP case study in the UAE, by Alia El Torky, 2008.
11. Encryption and decryption application, by Fatima Jasem, 2008
12. Security/Networking Encyclopedia, by Shaikha Abdulrahman, Fadwa Abdul Aziz, and Ayesha Al Marmoom, 2008.
13. UAE Treasures web application, by Afra Al Romaith, Wafa, Reem, 2008.
14. Online registration system, by Amal Al Marzouqi, Shaima Jafar, and Ghaida Ali, 2008.
15. Open Source user manual for higher education, by Dalal Abdulaziz, Sakeena Mohamed, and Sumaya Hashim, 2009. **Participated in Undergraduate Research Conference (URC).**
16. Open Source user manual for hospitals, by Abrar Salem, Amena Younes, Fatima Abdulqader, Huda Ateq, and Samar Omar, 2009. **Participated in the URC.**
17. Open Source in UAE, by Asma Al Zaabi, Amani Ali, Nasra Al Marshoudi, 2009. **Participated in URC.**
18. Smart Accountant Application, by Nour Helal, 2010.
19. Open Source user manual for accounting departments, by Fatima Ismaeel, Mahra Rashed, Najah Hasan, and Summaya Khaled, 2010. **Participated in URC.**
20. IT security standards, by Sumaya Suliman and Maitha Al Khamisi, 2010. **Participated in URC.**
21. Guide To Success: ISO 27001, a booklet by Rahma Mohamed and Iman Al Amri, 2010. **Participated in URC and published in a conference.**
22. IT standards application, by Amna Saeed and Asma Mohamed, 2010. **Participated in URC.**
23. Entrepreneurship booklet and Web application, by Noora Al Zaabi, 2010.
24. IT Standards Web Application, by Shaikha Abdulsalam, Amena Saleem, and Aisha Awadh Al Hemari, 2010. **Participated in URC.**
25. ZISE Web Application, by Hamda Jaber and Fatime Ateeq, 2011. **Participated in a competition and awarded the second place.**
26. UObserve Software Specification, by Mouza Ahmed and Asma Hasan, 2011. **Participated in a competition.**
27. IT Application for Young Entrepreneurs, by Fatema Al Mansori, Zahra Ballaith and Eman Hableel, 2012. **Published at the EMCIS 2012 Conference.**
28. IT Application for Emirati Women, by Hanadi Obaid and Ayesha Sultan, 2012. **Published in EMCIS 2012 Conference.**
29. Entrepreneurship Game for Higher Education Students, by Heba Al Ammari, Asma Al Amri, and Asma Al Mansoori, 2012. **Published in EMCIS 2012 Conference.**
30. Educational Tool for Teaching Java Programming Language, by Maisoon Ali, Asma Saleh, Heyam Abdul Lateef, and Khadeeja Al Ali, 2012.

Professional Associations

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| • Member in Muslim Family Association | MFA | Canada 2004 |
| • Member in Muslim Students' Association | Concordia University | Canada 2001 - 2002 |
| • Youth Supervisor | Saudian Club | Canada 2000 |

INTERESTS

- Sport activities: Karate (Yellow Belt), Archery, Horse Back Riding, Badminton and Biking.

- Other activities: Cooking and Photography.