



Dr. Asadullah Shaikh

Associate Professor (Software Engineering)

B.Sc(UK), M.Sc(Sweden), and PhD(Denmark). Member of IET, England

Curriculum Vitae

"Man is what he reads"

Objective

I want to contribute in science by producing high quality research students through teaching/supervision. My aim is to conduct high quality research and publish papers in top class conferences/journals. I am also interested to create innovative software verification and validation techniques. I have 8 years of teaching and research experience in the field of software engineering and management.

Education

- 2008–2013 **Doctorate, Ph.D (Software Engineering)**, *The University of Southern Denmark, Denmark.*
- 2005–2007 **Graduate, M.Sc Software Engineering and Management)**, *Göteborg University, Sweden.*
- 2000–2005 **Undergraduate, B.Sc (Software Development)**, *The University of Huddersfield, England.*

Work Experience

- Sep.2018–
to.date **Associate Professor (Computer Science and Information Systems) and Head of Research**, *Najran University, Najran, Saudi Arabia.*
- Aug.2013–
Sep
2018 **Assistant Professor (Computer Science and Information Systems) and Head of Research**, *Najran University, Najran, Saudi Arabia.*
- Aug.2011–
Jun.2013 **Assistant Professor (Computer Science and Information Technology)**, *Institute of Business and Technology (IBT) Korangi Creek, Karachi, Pakistan.*
- Sep.2010–
Jun.2011 **Research Assistant/PhD Scholar**, *Maersk Mc-Kinney Moller Institute, University of Southern Denmark.*
- Apr.2008–
Dec.2009 **Research Assistant/PhD Scholar**, *Software Engineering Group GRES-UOC Rambla del Poblenou 156, Barcelona, Spain.*
- Feb.2006–
Mar.2008 **Information Technology Manager (Part Time)**, *Lai Thai Artillerigatan 8, 41503 Göteborg, Sweden.*

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Mar.1998– **Computer Administrator and Ex. Manager**, *Excellence of Studies (Eos) English, Language and Coaching Center, Hyderabad, Pakistan.*
Dec.2000

Non-Academic Experience

Sep.2013– **Head of Software Engineering Knowledge group for ABET and NCAAA Accreditation**, *College of Computer Science and Information Systems, Najran University, Najran, Saudi Arabia.*
Present

Current Research Interests

Software Engineering, Software Verification and Validation, Software Testing, Model Based Checking, Service Oriented Architecture (SOA), Cloud Computing and Software Process Improvement (SPI).

Completed Theses and Projects

Doctoral Thesis **Methods and Concepts for Efficient Verification of UML/OCL Models**, Supervised By: Professor Uffe Wiil.

Master's Thesis **A System Design For A Tele-Medicine Health Care System**, Supervised By: Professor Thomas Lundqvist .

Master's Semester III Research Project **Strengths And Weaknesses of Maturity Driven Process Improvement Efforts.**

Master's Semester II Technical Challenge Project **Online Web-Based Admission System.**

Master's Semester II Industry Challenge Project **Model-Driven Architecture in Embedded Systems.**

Bachelor's Final Project **Secure Pc Access and Spyware.**

Bachelor's Semester Project **Development of Website for Shopping Places.**

Funded Projects

Title Modified Levensthein Distance for Duplicate Detection
Researches Muniba Memon and Asadullah Shaikh
Grant No NU/ESCI/14/52 Najran University
Dates January 2015–January 2016
FPR. Status Cancelled

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Title Enhancing the Quality of Service for Real Time Traffic over Optical Burst Switching (OBS) Networks with Ensuring the Fairness for Other Traffics
Researches Muhammad Abdullatef Ali Al-shargabi and Asadullah Shaikh
Grant No NU/ESCI/14/53 Najran University
Dates January 2015–January 2016
FPR. Status Completed

Title Criticize the Barriers of ISI Impact Factor Journals
Researches Asadullah Shaikh and M. A. Elmagzoub
Grant No NU/ESCI/16/XX Najran University
Dates ———
FPR. Status Applied on 11/10/2018

Title A Review on MIMO Wireless Signalover Fibre for Next Generation Fibre Wireless (FiWi) Broadband Networks
Researches M. A. Elmagzoub and Asadullah Shaikh
Grant No NU/ESCI/16/XX Najran University
Dates ———
FPR. Status Applied on 11/10/2018

Publications

Published and Accepted Papers

1. Soobia Saeed, Asadullah Shaikh, Pardeep Kumar, Muhammad Ali Memon and Syed Mehmood Raza Naqvi. Assimilation of Monitoring System for Emergency Power System. Quaid-e-Awam University Research Journal, Vol. 16, NO. 1, 23-30, Jul-Dec 2018, ISSN 1605-8607. HEC Recognized.
2. Soobia Saeed, Asadullah Shaikh, Muhammad Ali Memon and Syed Mehmood Raza Naqvi. Technique for Tumor Detection Upon Brain MRI Image by Utilizing Support Vector Machine. Quaid-e-Awam University Research Journal, Vol. 16, NO. 1, 23-30, Jul-Dec 2018, ISSN 1605-8607. HEC Recognized.
3. Farroque Memon, Soobia Saeed, Asadullah Shaikh, and Muhammad Ali Memon. Systematic Approach of Customer Relationship Management in Much Different Organization. In Journal of Business Studies, JBS Vol 14, No.2, pp. 154-168, 2018. HEC Recognized.
4. Soobia Saeed, Asadullah Shaikh, and Muhammad Ali Memon. Impact of Social Networking Sites on Personality & Attitude of Young Adults (Research covering the young adults lives within Korangi, Karachi) . In international Research Journal of Arts & Humanities (IRJAH), Vol.46 (46) pp. 47-62 (2018). HEC Recognized.
5. Asadullah Shaikh, Uffe Kock Wiil. Overview of Slicing and Feedback Techniques for Efficient Verification of UML/OCL Class Diagrams. IEEE Access, Volume 06 (2018), pp 23864-23882, C089 College of Information Systems

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ISSN 2169-3536. ISI Thomson Reuters, Impact Factor, 3.24.

6. Abdul Hafeez, Syed Hyder Abbas Mussavi, Aqeel-ur-Rehman, and Asadullah Shaikh. Ontology-Based Finite Satisfiability of UML Class Model. *IEEE Access*, Volume 6 (2018), pp 3040-3050, ISSN 2169-3536. ISI Thomson Reuters, Impact Factor, 3.24.
7. Soobia Saeed, Asadullah Shaikh, Syed Mehmood Raza Naqvi and Muhammad Ali Memon. Impact Of Data Mining Techniques To Analyze Health Care Data. *Journal of Medical Imaging and Health Informatics*, Vol. 8(4) May, pp. 674-682, 2018. ISI Thomson Reuters, Impact Factor, 0.62.
8. Soobia Saeed, Asadulallah Shaikh and Syed Mehmood Raza Naqvi. Performance Analysis of Quality Assurance due to the usage of two Enterprise Resource Planning's (ERPs): Microsoft Dynamics AX and SAP. In *Mehran University Research Journal of Engineering and Technology*, Volume 37, No. 2, pp. 337-350 April, 2018 HEC Recognized.
9. Mutiullah Shaikh, Farah Deeba, Asadullah Shaikh, and Muhammad Ali Memon. State-Full Virtual Machine Live Data Migration For Improved Load Balancing. In *Sindh University Research Journal (SUJO)*, Vol.50 (1) pp. 107-114 (2018). HEC Recognized
10. Soobia Saeed, Asadullah Shaikh, Pardeep Kumar, Muhammad Ali Memon and Syed Mehmood Raza Naqvi. Assimilation of Monitoring System for Emergency Power System. *Quaid - e-Awam University Research Journal*, Vol 16, pp. 38-48 2017, ISSN 1605-8607.
11. Muhammad Ali Memon, Asadullah Shaikh, Kamran Taj Pathan, Majid Hussain Memon and Kamran Dahri. Route Finding For Facilitating Transportation Planning To Maintain Smooth Product Flow In Supply Chain. In *Journal of Business Studies*, JBS Vol 13, No.2, pp. 11-21, 2017. HEC Recognized.
12. Khizer Hayat Khuhawa, Muhammad Ali Memon, Asadullah Shaikh, Hyder Ali Nizamani, and Majid Hussain Memon. Reasons As To Why Consumer Prefers One Brand Over Another: A Study Of Packaged Milk In Hyderabad Using Blind Tests. In *Journal of Business Studies*, JBS Vol 13, No.2, pp. 50-59, 2017. HEC Recognized.
13. Soobia Saeed, Asadulallah Shaikh, Muhammad Ali Memon, Muhammad Qaiser Saleem and Syed Mehmood Raza Naqvi. Assessment of Brain Tumor Due to the Usage of MATLAB Performance. *Journal of Medical Imaging and Health Informatics*, Vol. 7, 1454-1460, 2017. ISI Thomson Reuters, Impact Factor, 0.77.
14. Muhammad Ali Memon , Asadullah Shaikh, Majid Hussain, and Raza Shah. Data Transformation with Interoperable Service Utilities in Heterogeneous Transport Systems. In *Sindh University Journal (SUJO)*, Vol.49 (2) pp. 349-356 (2017).
15. Soobia Saeed, Asadullah Shaikh, Muhammad Ali Memon, Majid Hussain Memon, Faheem Ahmed Abassi and Syed Mehmood R Naqvi, "Implementation of Failure Enterprise Systems in Organizational Perspective Framework". *International Journal of Advanced Computer Science and Applications(IJACSA)*, 8(5), 2017. Impact Factor 1.32, 2017.
16. Soobia Saeed, Asadullah Shaikh and Shahbaz Ahmed Noor. Analysis of Brain Tumor Due To the Usage of Mobile Phone. In *Mehran University Research Journal of Engineering and Technology*, July 2017, Volume 36, Issue 3, pp 609-620 HEC Recognized, 2017.

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17. Burhan Saleh, Hasan Rosyadi and Asadullah Shaikh. Augmented Reality (AR) Sandbox: An Interactive Approach in Fluvial Geomorphology. In 14th Learning and Technology (L&T) International conference, 2017.
18. Mohammad Al Shargabi and Asadullah Shaikh. Enhancing The Quality Of Service For Real Time Traffic Over Optical Burst Switching (Obs) Networks With Ensuring The Fairness For Other Traffics. PLOS ONE 11, no. 9 (2016): e0161873. Impact Factor: 3.2, 2016.
19. Asadullah Shaikh and Uffe Kock Wiil. Efficient verification-driven slicing for UML/OCL class diagrams. In International Journal of Advanced Computer Science and Applications (IJACSA) By the science and information organization, Volume 7 Issue 5, 2016, pp 530-547. Impact Factor 1.32, 2016.
20. Muhammad Ali Memon, Asadullah Shaikh, Khizer Hayat, and Mutiullah Shaikh. Virtual Heterogeneous Model Integration Layer. In International Journal of Advanced Computer Science and Applications (IJACSA) By the science and information organization, Volume 7 Issue 5, 2016, pp 591-597. Impact Factor 1.32, 2016.
21. Mutiullah Shaikh, Asadullah Shaikh, Muhammad Ali Memon, and Farah Deeba. Analyzing Virtual Machine Live Migration In Application Data Context. In International Journal of Advanced Computer Science and Applications (IJACSA) By the science and information organization, Volume 7 Issue 5, 2016, pp 401-407. Impact Factor 1.32, 2016.
22. Mohammad Al Sulami, and Asadullah Shaikh. The Information-Seeking Problem in Human-Technology Interaction. In International Journal of Advanced Computer Science and Applications (IJACSA) By the science and information organization, Volume 7 Issue 5, 2016, pp 584-590. Impact Factor 1.32, 2016.
23. Abid Ghaffar, Mohamed Ridza Wahiddin, Asadullah Shaikh, and Akhlaq Ahmad. Multi-Layered Alert Filtration and Feedback Cycle using Brahms Model. Accepted in 4th International Conference on Advanced Computer Science Applications and Technologies - ACSAT2015 by IEEE.
24. Ahmad M. Taleb, Asadullah Shaikh, Todd Eavis, and Nasser M. Taleb. High Performance Framework for Mining Association Rules from Hierarchical Data Cube. In International Journal of Business Intelligence and Data Mining 10.3 (2015): 233-252
25. Abid Ghaffar, Mohamed Ridza Wahiddin, Asadullah Shaikh and Akhlaq Ahmad. Generating Alerts using Context Aware Security and Brahms Model for Customer Service Improvement. In 4th International Multi Topic Conference (IMTIC 15) by Mehran University of Engineering and Technology, pp 47-54, 2015.
26. Abid Ghaffar, Mohamed Ridza Wahiddin, Mohamad Fauzan Bin Noordin and Asadullah Shaikh. A Framework to Improve Customer Service Using Brahms Model. In Journal of Engineering Innovation and Research (IJEIT), 2015, Volume 4, Issue 1, ISSN: 2277 - 5668, 2015.
27. Asadullah Shaikh . The impact of SOA on a system design for a telemedicine healthcare system. In Network Modeling Analysis in Health Informatics and Bioinformatics 4.1 (2015): 1-16 by Springer.

28. Asadullah Shaikh. NoMadCar: The Interactive Design using Human Computer Interaction Techniques. In Journal of Advanced Computer Science and Technology Research, [S.l.], v. 5, n. 1, apr. 2015
29. Abid Ghaffar, Mohamed Ridza Wahiddin, Mohamad Fauzan Bin Noordin and Asadullah Shaikh. Evaluation of Tools and Techniques for the Generation of Warning Alerts: A Survey Paper. In Journal Transactions on Machine Learning and Artificial Intelligence 10.14738/tmlai.32.1078. ISSN 2054-7390, 2015.
30. Mazen Ali Gazzan and Asadullah Shaikh . Towards Bridging the Gap between CMMI and Agile Development Methodologies. In 27th International Conference on Computer Applications in Industry and Engineering USA, 978-1-880843-97-0, 2014.
31. Safeullah Soomro, Abdul Hafeez, Asadullah Shaikh and Syed Hyder Abbas Musavi. Ontology Based Requirement Interdependency Representation and Visualization. In 3rd International Multi Topic Conference (IMTIC 13) by Springer CCIS 414 Series, pp 259-270, 2014.
32. Abid Ghaffar, Mohamed Ridza Wahiddin, and Asadullah Shaikh. Computer assisted alerts using mental model approach for customer service improvement. In Journal of Software Engineering and Applications, 2013, 6, 21-25 doi:10.4236/jsea.2013.65B005. Impact Factor: 0.15.
33. Asadullah Shaikh and Uffe Kock Wiil. A feedback technique for unsatisfiable UML/OCL class diagrams. In Software Practice and Experience (SPE). Published online in Wiley Online Library (wileyonlinelibrary.com). DOI: 10.1002/spe.2211. Impact Factor: 1.008. ISI Indexed
34. Fahad Samad, Qassem Abu Ahmed, Asadullah Shaikh, and Abdul Aziz. Jam: Mitigating jellyfish attacks in wireless ad hoc networks. In Emerging Trends and Applications in Information Communication Technologies, volume 281 of Communications in Computer and Information Science, pages 432-444. Springer Berlin Heidelberg, 2012.
35. Asadullah Shaikh, Naveed Anjum, Fahad Samad, and Asadullah Shah. Building wireless sensor networks application using sun spots. In Emerging Trends and Applications in Information Communication Technologies, volume 281 of Communications in Computer and Information Science, pages 466-477. Springer Berlin Heidelberg, 2012.
36. Asadullah Shaikh and Uffe Kock Wiil. UmltoCSP (UOST): A tool for efficient verification of UML/OCL class diagrams through model slicing. In ACM SIGSOFT FSE, pages 37:1-37:4, 2012. Acceptance ratio: 17 percent.
37. Muniba Shaikh, Humaira Dar, Asadullah Shaikh, and Asadullah Shah. Adjusted edit distance algorithm for alias detection. In International Conference on Information and Knowledge Management (ICKM), pages 118-122, 2012.
38. Shah, Asadullah and Shaikh, Asadullah and Shaikh, Muniba and Bhatti, Zeeshan and Abdullah Zammarh, Nuha and Dwi Handayani, Dini Oktarina and Shah, Zoya, eds. (2011) Statistical time division multiplexing architectures and design. IIUM Press, Kuala Lumpur. ISBN 978-967-418-190-1
39. Asadullah Shaikh, Zeeshan Bhatti, and Asadullah Shah (2011) Bitwise Operators and Type Casting. IIUM Press, Kuala Lumpur, pp. 45-50 . ISBN 978-967-418-086-7.

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40. Asadullah Shaikh, Zeeshan Bhatti, and Asadullah Shah (2011) Conditional Statements. IIUM Press, Kuala Lumpur, pp. 41-55 . ISBN 978-967-418-086-7.
41. Asadullah Shaikh, Zeeshan Bhatti, and Asadullah Shah (2011) IF ELSE Statements. IIUM Press, Kuala Lumpur, pp. 45-60 . ISBN 978-967-418-086-7.
42. Asadullah Shaikh, Zeeshan Bhatti, and Asadullah Shah (2011) IF ELSE Statements IF. IIUM Press, Kuala Lumpur, pp. 61-66 . ISBN 978-967-418-086-7.
43. Asadullah Shaikh, Zeeshan Bhatti, and Asadullah Shah (2011) Switch Satatements. IIUM Press, Kuala Lumpur, pp. 67-72 . ISBN 978-967-418-086-7.
44. Shah, Asadullah and Shaikh, Asadullah (2011) Arithmetic expressions and data types in C++. In: C++ Programming: Step by Step. IIUM Press, Kuala Lumpur, pp. 1-3. ISBN 9789674180904
45. Shah, Asadullah and Shaikh, Asadullah (2011) Decision making: If-else statements and relational operators. In: C++ Programming: Step by Step. IIUM Press, Kuala Lumpur, pp. 17-24. ISBN 9789674180904
46. Shah, Asadullah and Shaikh, Asadullah (2011) Introduction. In: C++ Programming: Step by Step. IIUM Press, Kuala Lumpur, pp. 1-3. ISBN 9789674180904
47. Shah, Asadullah and Shaikh, Asadullah (2011) Sending the output to a print file. In: C++ Programming: Step by Step. IIUM Press, Kuala Lumpur, pp. 11-16. ISBN 9789674180904
48. Shah, Asadullah and Shaikh, Asadullah and Alshaikhli, Imad Fakhri Taha (2011) Basic storage management. In: Introduction of computer systems and applications. IIUM Press, Kuala Lumpur, pp. 113-118. ISBN 9789674180850
49. Shah, Asadullah and Shaikh, Asadullah (2011) Control panel of an oscilloscope. In: Understanding basic concept of electrical and electronic systems. IIUM Press, Kuala Lumpur, pp. 29-33. ISBN 9789674181161
50. Shah, Asadullah and Shaikh, Asadullah (2011) Digital multiplexing techniques. In: Statistical Time Division Multiplexing Architectures and Design. IIUM Press, Kuala Lumpur, pp. 5-9. ISBN 978-967-418-190-1
51. Shah, Asadullah and Shaikh, Asadullah (2011) Linear predictive coding of speech. In: Statistical Time Division Multiplexing Architectures and Design. IIUM Press, Kuala Lumpur, pp. 15-17. ISBN 978-967-418-190-1
52. Shah, Asadullah and Shaikh, Asadullah (2011) Low bit rate speech coding. In: Statistical Time Division Multiplexing Architectures and Design. IIUM Press, Kuala Lumpur, pp. 10-11. ISBN 978-967-418-190-1
53. Shah, Asadullah and Shaikh, Asadullah (2011) Low bit rate speech coding standards. In: Statistical Time Division Multiplexing Architectures and Design. IIUM Press, Kuala Lumpur, pp. 12-14. ISBN 978-967-418-190-1
54. Shah, Asadullah and Shaikh, Asadullah (2011) Measurement techniques. In: Understanding basic concept of electrical and electronic systems. IIUM Press, Kuala Lumpur, pp. 39-46. ISBN 9789674181161

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55. Shah, Asadullah and Shaikh, Asadullah and Alshaikhli, Imad Fakhri Taha (2011) Network security setting. In: Introduction of computer systems and applications. IIUM Press, Kuala Lumpur, pp. 99-106. ISBN 9789674180850
56. Shah, Asadullah and Shaikh, Asadullah (2011) Operation of an oscilloscope. In: Understanding basic concept of electrical and electronic systems. IIUM Press, Kuala Lumpur, pp. 34-38. ISBN 9789674181161
57. Shah, Asadullah and Shaikh, Asadullah (2011) Resistor color codes. In: Understanding basic concept of electrical and electronic systems. IIUM Press, Kuala Lumpur, pp. 47-51. ISBN 9789674181161
58. Shah, Asadullah and Shaikh, Asadullah (2011) Soldering iron practice. In: Understanding basic concept of electrical and electronic systems. IIUM Press, Kuala Lumpur, pp. 52-55. ISBN 9789674181161
59. Shah, Asadullah and Shaikh, Asadullah and Alshaikhli, Imad Fakhri Taha (2011) Task scheduling. In: Introduction of computer systems and applications. IIUM Press, Kuala Lumpur, pp. 107-112. ISBN 9789674180850
60. Shah, Asadullah and Shaikh, Asadullah (2011) Transmission bandwidth efficiency enhancement techniques. In: Statistical Time Division Multiplexing Architectures and Design. IIUM Press, Kuala Lumpur, pp. 1-4. ISBN 978-967-418-190-1
61. Shah, Asadullah and Shaikh, Asadullah and Alshaikhli, Imad Fakhri Taha (2011) Windows installation. In: Introduction of computer systems and applications. IIUM Press, Kuala Lumpur, pp. 87-98. ISBN 9789674180850
62. Shah, Asadullah and Shaikh, Asadullah (2011) Logical operators and switch statements. In: C++ Programming: Step by Step. IIUM Press, Kuala Lumpur, pp. 25-31. ISBN 9789674180904
63. Asadullah Shaikh, Uffe Kock Wiil, and Nasrullah Memon. Evaluation of tools and slicing techniques for efficient verification of UML/OCL class diagrams. *Adv. Soft. Eng.*, 2011:5:1-5:18, 2011.
64. Asadullah Shaikh, Uffe Kock Wiil, and Nasrullah Memon. UOST: UML/OCL aggressive slicing technique for efficient verification of models. In *SAM Lecture Notes in Computer Science Volume 6598*, 2011.
65. Asadullah Shaikh, Sheeraz Ali, Nasrullah Memon, and Panagiotis Karampelas. Soa security aspects in web-based architectural design. In *From Sociology to Computing in Social Networks* by Springer, pages 415-430. 2010.
66. Asadullah Shaikh, Sheeraz Ali, Muniba Shaikh, and Javed Ahmed. The Model-Driven Architecture in an Industrial Environment. In *IEEE International Conference on Information and Emerging Technologies (ICIET)*, pages 1-5. 2010.
67. Asadullah Shaikh, Robert Clarisó, Uffe Kock Wiil, and Nasrullah Memon. Verification-driven slicing of UML/OCL models. In *ACM Automated Software Engineering*, pages 185-194, 2010. Acceptance ratio: 18 percent.

68. Asadullah Shaikh, Ashfaq Ahmed, Nasrullah Memon, and Muniba Shoukat Memon. Strengths and weaknesses of maturity driven process improvement effort. In CISIS IEEE Computer Society, pages 481-486, 2009.
69. Asadullah Shaikh, Muniba Shoukat Memon, Nasrullah Memon, and Muhammad Misbahuddin. The role of service oriented architecture in telemedicine healthcare system. In CISIS IEEE Computer Society, pages 208-214, 2009.
70. Asadullah Shaikh, Aijaz Soomro, Sheeraz Ali, and Nasrullah Memon. The Security Aspects in Web-Based Architectural Design Using Service Oriented Architecture. In IV IEEE Computer Society, pages 461-466, 2009.
71. Asadullah Shaikh, Muhammad Misbahuddin, and Muniba Shoukat Memon. A system design for a telemedicine health care system. In IMTIC Springer CCIS Series, pages 295-305, 2008.
72. Muniba Shaikh and Asadullah Shaikh. The role of model driven architecture in online web-based admission system. In 8th National Research Conference (NRS) proceedings Szabist Islamabad, 2008.

Submitted Papers

1. Soobia Saeed, Asadullah Shaikh, Syed Mehmmod Raza Naqvi, Muhammad Mansoor Alam and Muhammad Ali. Internet of Things over LTE/LTE-A Network. Submitted in Technical Journal, UET Taxila. HEC Recognized.
2. Abdul Hafeez Muhammad, Asadullah Shaikh, and Quadri N Naveed. Factors Affecting Academic Integrity in e-Learning of Saudi Arabian Universities. An investigation using Delphi and AHP. Submitted in International Review of Research in Open and Distance Learning. 2018. ISI Thomson Reuters, Impact Factor, 1.734.

Student Supervision

PhD Co-Supervision

Student Name: Abid Ghaffar

PhD Thesis Title: Generating Alerts using Context-aware Security and Brahms Model for Customer Service Improvement

University: International Islamic University Malaysia

Tenure: January 2012–February 2017

Undergraduate Supervision

Students Name: Musaed Lashram Al-harthy and Abdullrahman Ahmad Alharthy

Thesis Title: Professional Instant Messenger

University: Najran University Malaysia

Tenure: January 2014–September 2014

Students Name: Mohammed Abdullah Mahdi Abu Mudayni, Mohammad Mesfer Ali Al-Zaid, and Abdulaziz Ali Masoud Al Hajry

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Thesis Title Hospital Management Information System(HMIS)
University Najran University Malaysia
Tenure September 2014–January 2015

Students Name Ali Ahmed S Qaisi, and Ahwi Hussien Abdullah
Thesis Title Grab a Taxi
University Najran University Malaysia
Tenure January 2017–June 2017

Edited Books

- Book Title **Introduction to Computer System and application**
Five chapters, published by International Islamic University (IIUM) Kuala Lumpur, Malaysia
- Book Title **C++ Programming Step-by-Step**
Five chapters, published by International Islamic University (IIUM) Kuala Lumpur, Malaysia
- Book Title **Understanding Basic Concept of Electrical and Electronic System**
Five chapters, published by International Islamic University (IIUM) Kuala Lumpur, Malaysia
- Book Title **Statistical Time Division Multiplexer Architectures and Design**
Five chapters, published by International Islamic University (IIUM) Kuala Lumpur, Malaysia

Compiled Books in L^AT_EX

- Book Title **From Sociology to Computing in Social Networks - Theory, Foundations and Applications**
Uffe Kock Wiil, Editor. Counterterrorism and Open Source Intelligence, volume 2 of Lecture Notes in Social Networks. Springer, 2011.
- Book Title **Counterterrorism and Open Source Intelligence**
Nasrullah Memon and Reda Alhaji, Editors. From Sociology to Social Networks Theory, Foundations and Applications, volume 1 of Lecture Notes in Social Networks Springer, 2010.

Professional Activities

Professional Memberships

- **Membership No: 94167301:** IEEE Technical Council on Software Engineering (TCSE).
- **No.PEC/REGN/AMIE/2013:** Pakistan Engineering Council, Islamabad, Pakistan.
- **MCS A170/1100540387:** Institution of Engineering and Technology (IET) with designatory

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letters MIET, Stevenage, SG1 2AY, United Kingdom.

- o **TCSE 94167301:** The IEEE Computer Society Technical Council on Software Engineering (TCSE.)

Associate Editor

Associate Editor Journal Of Information And Communication Technology recognized by Higher Education Commission (HEC)

Editor in Chief

Editor in Chief Software Algorithms, Tools, and Technologies for Model Verification and Validation

Editorial Advisory Board

Editorial Advisory Board University of Sindh Journal of Information and Communication Technology (USJICT)

Editorial Board

Editorial Board International Journal of Computing and Related Technologies (IJCRT). Sindh Madressatul Islam University (SMIU) Karachi, Pakistan

Technical Program Committee for Conferences (Conf)

- Conference 1 IADIS International Conference (WWW/INTERNET 2009)
- Conference 2 IADIS International Conference (WWW/INTERNET 2010)
- Conference 3 IADIS International Conference (WWW/INTERNET 2012)
- Conference 4 IADIS International Conference (WWW/INTERNET 2013)
- Conference 5 The 8th International Conference on Internet and Web Applications and Services (ICIW 2013)
- Conference 6 The 5th International Conference on Advances in Future Internet (AFIN 2013)
- Conference 7 International Multi topic conference (IMTIC 2013) 18-20 December, 2013
- Conference 8 The 9th International Conference on Internet and Web Applications and Services (ICIW 2014)
- Conference 9 The 6th International Conference on Advances in Future Internet (AFIN 2014)
- Conference 10 The 10th International Conference on Emerging Technologies 2014 (ICET 2014)
- Conference 11 IADIS International Conference (WWW/INTERNET 2014)
- Conference 12 International Multi topic conference (IMTIC 2015) 18-20 December, 2015
- Conference 13 The 10th International Conference on Internet and Web Applications and Services (ICIW 2015)
- Conference 14 The 7th International Conference on Advances in Future Internet (AFIN 2015)

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- Conference 1st International Workshop on Aspect Oriented Strategies for Domain Modelling
15 (AOSDM16)
- Conference 1st International Conference on Computer and Electronics Engineering 2016 9-10
16 Jan, 2016 (ICCEE-2016)
- Conference The 8th International Conference on Advances in Future Internet (AFIN 2016) Nice,
17 France
- Conference IADIS International Conference (WWW/INTERNET 2015)
18
- Conference The 11th International Conference on Internet and Web Applications and Service
19 (ICIW 2016)
- Conference 2nd International Conference (WWW/INTERNET 2009)
20
- Conference 5th International Conference on Signal, Image Processing and Pattern Recognition
21 (SPPR 2016)
- Conference 2nd International Conf on Communication & Information Processing (ICCIP 2016)
22 Singapore)
- Conference 9th International Conf Computer Science and Information Technology (ICCSIT 2016)
23 Ireland)
- Conference 2nd International Conference on Intelligent Information Processing, Security and
24 Advanced Communication(IPAC'2016)Prague, Czech, Republic
- Conference 4th International Conference on Building and Exploring Web Based Environments
25 (WEB 2016) Lisbon, Portugal
- Conference 2nd International Conference on Multimedia and Image Processing(ICMIP 2017)
26 will be held in Wuhan, China
- Conference International Conf on Communication, Computing and Digital Systems (CCODE
27 2017) Pakistan
- Conference 3rd International Conf on Communication & Information Processing (ICCIP 2017)
28 Japan
- Conference 9th International Conference on Advances in Future Internet (AFIN 2017) Rome,
29 Italy
- Conference 16th International Conference on WWW/Internet 2017, Algarve, Portugal
30
- Conference 2nd International Workshop on Signal Acquisition and Processing (ICSAP 2017)
31 Qingdao, China
- Conference International Conference on Internet and e-Business (ICIEB 2018), Singapore
32
- Conference 15th International Learning and Technology Conference (L&T 2018), Jeddah, KSA
33
- Conference International Conference on Computing, Electronics & Communications Engineering
34 2018(ICCECE '18) University of Essex, Southend, UK

- Conference 10th International Conference on Advances in Future Internet (AFIN 2018) Venice,
35 Italy
- Conference International Conference on Emerging Technologies in Computing 2018(ICETiC '18)
36 London Metropolitan University, London, UK
- Conference 4th International Conf on Communication & Information Processing (ICCIP 2018)
37 China
- Conference 5th International Multi topic conference (IMTIC 2018) Jamshoro, Pakistan
38
- Conference The 13th International Conference on Internet and Web Applications and Service
39 (ICIW 2018)
- Conference 3rd International Conference on E-Business and Internet (ICEBI 2019), Prague,
40 Czech Republic
- Conference The 11th International Conference on Advances in Future Internet (AFIN 2019)
41 Nice, France
- Conference 2nd IEEE International Conference on Emerging Technologies in Computing 2019
42 (iCETiC '19), UK.
- Conference International Conf on Communication, Computing and Digital Systems (CCODE
43 2019) Pakistan

Other Miscellaneous Reviewing Activities

- Conference 1 10th ACIS International Conference on Software Engineering, Artificial Intelligence,
Networking and Parallel/Distributed Computing (SNPD 2009). May 27-29, 2009
- Conference 2 Advances in Social Networks Analysis and Mining (ASONAM 2009), July 20-22,
2009
- Conference 3 13th International Conference Information Visualization (IV09), 14 - 17 July 2009.
- Conference 4 The International Conference on Advanced Data Mining And Application (ADMA
2009)
- Conference 5 Advances in Social Networks Analysis and Mining (ASONAM 2010), August 9-11,
2010.
- Conference 6 The International Conference on Engineering and Meta-Engineering (ICEME 2010).
- Conference 7 International Conference on Information Systems (ICIS 2010), Dec 12-15, 2010.
- Conference 8 International Multi topic conference (IMTIC 2012), March 28-30, 2012

Journals Reviewing/Editorial Board

- Journal 1 Journal of Computer Methods and Programs in Biomedicine By Elsevier. Impact
Factor: 1.862
- Journal 2 International Journal of Advanced Computer Science and Applications (IJACSA).
Impact Factor: 1.32
- Journal 3 International Journal of Software Engineering and Knowledge Engineering (IJSEKE).
Impact Factor: 0.30
- Journal 4 Greener Journals

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- Journal 5 Network Modeling Analysis in Health Informatics and Bioinformatics (NHIB) By Springer
- Journal 6 Sindh University Research Journal (SURJ) University of Sindh Jamshoro, HEC Recognized
- Journal 7 The Mehran University Research Journal of Engineering & Technology, HEC Recognized
- Journal 8 International Journals N&N Global Technology
- Journal 9 International Journal of Computing and Related Technologies (IJCRT). Sindh Madressatul Islam University (SMIU) Karachi, Pakistan
- Journal 10 International Journal of Intelligent Systems Technologies and Applications (IJISTA) by Inderscience Publishers.
- Journal 11 Pakistan Journal of Computer Science and Information Systems (PJCIS).
- Journal 12 Proceedings of the Pakistan Academy of Sciences.

Professional Training

- Nov 2011 Training Award on Self Assessment Report (SAR), Karachi, Pakistan
- Jan 2011 NetBeans' Training Award, Odense, Denmark
- Nov 2009 Effective Oral Presentations, Barcelona, Spain
- May 2009 Effective Written Documents, Barcelona, Spain

Events and Given Talks

- 17 September 2018 How To Write and Apply NU Research Project at Najran University Saudi Arabia
- 23 April 2018 How Do I Find Impact Factor and Rank for a Journal and Increase Paper Citations at Najran University Saudi Arabia
- 20 March 2018 Effective CV Writing and Job Interview Tips at Najran University Saudi Arabia
- 20 March 2017 Verification of Complex Models through Model Slicing at Najran University Saudi Arabia
- 13 February 2017 How to Publish Quality Journal Papers at Najran University Saudi Arabia
- 13 December 2016 Effective CVs and Covering Letters at Najran University Saudi Arabia
- 09 November 2016 Writing an Effective Research Proposal For PhD and Projects using \LaTeX at Najran University Saudi Arabia
- 09 September 2015 Getting Started with \LaTeX at Najran University Saudi Arabia
- 27 April 2015 Workshop on Literature Study and Proposal Writing at Najran, University Saudi Arabia
- 20 April 2015 How to Find a Right Supervisor and Hunt for a PhD Position at Najran, University Saudi Arabia

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- 12 February 2015 Tutorial Resource Person at International Multi-topic Conference (IMITC 2015), Jamshoro, Sindh, Pakistan
- 11 February 2015 Paper Presentation at International Multi-topic Conference (IMITC 2015), Jamshoro, Sindh, Pakistan
- 10 February 2014 Talk on How to Write a Good Research Paper at Najran, University Saudi Arabia
- 11 April 2013 Talk on Verification of Complex UML/OCL Diagrams at Umm al-Qura University Makkah Saudi Arabia
- 6 February 2013 PhD Defend Efficient Verification of Complex UML/OCL Diagrams at Faculty of Engineering University of Southern Denmark
- 11 November 2012 Paper Presentation at International Symposium on the Foundations of Software Engineering (FSE), Cary, North Carolina, USA
- 17 July 2012 Seminar Presentation on Verification of Complex UML/OCL Class diagram at International Islamic University Malaysia.
- 28 March 2012 Paper Presentation at International Multi-topic Conference (IMITC 2012), Jamshoro, Sindh, Pakistan
- 4 October 2010 Paper Presentation at 6th Workshop on System Analysis and Modelling (SAM 2010) Oslo, Norway
- 24 September 2010 Paper Presentation at IEEE/ACM ASE conference (ASE 2010) Antwerp Belgium
- 17 July 2009 Presentation at Information Visualisation (IV 2009) Barcelona

Taught Courses

1. 345CSS-3 Operational Research|(Second Semester 2017/2018)|Theory|3 Credits
2. 351CIS-3 Information System Project Management|(Second Semester 2017/2018)|Theory|3 Credits
3. 345CSS-3 Operational Research|(First Semester 2017/2018)|Theory|3 Credits
4. 351CIS-3 Information System Project Management|(First Semester 2017/2018)|Theory|3 Credits
5. 345CSS-3 Operational Research|(Second Semester 2016/2017)|Theory|3 Credits
6. 345CSS-3 Operational Research|(First Semester 2016/2017)|Theory|3 Credits
7. 342CIS-3 Information System Engineering|(First Semester 2016/2017)|Theory/Lab|3 Credits
8. 235CSS-3 Theory of Computation|(Summer Semester 2015/2016)|Theory|3 Credits
9. 345CSS-3 Operational Research| (Summer Semester 2015/2016)|Theory|3 Credits
10. 342CIS-3 Information System Engineering|(Second Semester 2015/2016)|Theory/Lab|3 Credits
11. 342CSS-3 Software Engineering| (Second Semester 2015/2016)|Theory/Lab|3 Credits

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12. 342CIS-3 Information System Engineering|(First Semester 2015/2016)|Theory/Lab|3 Credits
13. 342CSS-3 Software Engineering| (First Semester 2015/2016) | Theory/Lab | 3 Credits
14. 342CIS-3 Information System Engineering| (Second Semester 2014/2015)|Theory/Lab|3 Credits
15. 342CSS-3 Software Engineering|(Second Semester 2014/2015)|Theory/Lab|3 Credits
16. 226CSS-2 UNIX System Environment|(First Semester 2014/2015)|Theory/Lab|2 Credits
17. 342CIS-3 Information System Engineering|(First Semester 2014/2015)|Theory/Lab|3 Credits
18. 226CSS-2 UNIX System Environment|(Summer Semester 2013/2014)|Theory/Lab|2 Credits
19. 324 CIS-3 Modern Application Development|(Summer Semester 2013/2014)|Theory/Lab|3 Credits
20. 342CIS-3 Information System Engineering|(Second Semester 2013/2014)|Theory|3 Credits
21. 342CIS-3 Information System Engineering|(First Semester 2013/2014)|Theory/Lab|3 Credits
22. 342CSS-3 Software Engineering|(First Semester 2013/2014)|Theory/Lab|3 Credits

PhD Courses

- 5 ECTS Writing Scientific Papers
- 3 ECTS Research Methodology for Information Technology
- 1 ECTS Presentation Course
- 3 ECTS Effective Written Documents
- 1 ECTS Effective Oral Presentations
- 10 ECTS Research Seminars

Master Courses

Semester 1

- 7.5 ECTS Introduction to Software Engineering and Management (ITU610)
- 7.5 ECTS Seminars in Software Engineering and Management (ITU620)
- 10 ECTS Industry Challenge Project (ITU630)

Semester 2

- 3.0 ECTS Quality and Quality Management (ITU070)
- 15 ECTS Technical Challenge Project (ITU650)

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7.5 ECTS Software Leadership and Quality Management
(ITU670)

Semester 3

6.0 ECTS Network security
(DIT070)

7.5 ECTS Human-Computer Interaction
(INL040)

6.0 ECTS Applied Computer Security
(INN641)

15 ECTS Research Project
(ITU730)

7.5 ECTS Thesis Preparation Course
(ITU740)

Semester 4

30 ECTS Master Thesis in Applied Information Technology
(ITU870)

Bachelor Courses

Year 1

20 ECTS Study Skills for the Digital Environment
(CPI122)

20 ECTS Integrated Packages for Business Information Systems
(CPI242)

10 ECTS Foundation Maths and Statistics
(CPM112)

10 ECTS Computing Mathematics
(CPM245)

20 ECTS Software Design and Development
(CPS117)

Year 1

10 ECTS Introduction to Business
(BFP108)

10 ECTS Mathematics for Computing
(CFM212)

20 ECTS Writing Software
(CFS112)

20 ECTS Hardware and Networks
(CFS143)

20 ECTS Modeling and Prototyping
(CFS187)

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- 20 ECTS Computing Science
(CFS223)
- 10 ECTS Skills in Interactive Learning
(CFT117)
- 10 ECTS Human Aspects of Computing
(CFT217)

Year 3

- 10 ECTS Mathematics for Software Engineering
(CAM326)
- 10 ECTS Professional Issues
(CAP316)
- 20 ECTS Object Oriented Systems Development
(CAS243)
- 20 ECTS Algorithm, Processes and Data
(CAS344)
- 10 ECTS Artificial Intelligence
(CAS367)
- 20 ECTS Introductory Database Management Systems
(CAS372)
- 10 ECTS Introduction to Formal Specifications
(CAS436)
- 10 ECTS Operating System
(CAS455)
- 10 ECTS Human Computer Interaction
(CAT306)

Year 4

- 10 ECTS Information Systems Strategy
(CAI606)
- 40 ECTS Individual Project
(CAP524)
- 10 ECTS Computer Networks
(CAS446)
- 20 ECTS Large Systems Environment
(CAS517)
- 10 ECTS Distributed Systems
(CAS546)
- 10 ECTS Computer Graphics
(CAS625)
- 10 ECTS Artificial Neural Networks
(CAS650)

10 ECTS The study of Programming Languages
(CAS810)

Internships

August 2002 6 weeks internship at WorldTelMeca, Karachi Pakistan
April 2003 2 months internship at KIIT, Karachi Pakistan

Computer Skills

Operating Systems Microsoft Windows family and Linux
Programming Languages C, C++, OCL, UML, CSP, Alloy, USE, Java
Applications Microsoft Office, TEX (\LaTeX , BibTeX), Prezi, Adobe applications, and other word processing and presentation tools
Networking Microsoft Office, TEX (TCP, DNS, Dynamic routing, and other networking protocols)

Awards

February 2015 Received Shield for best tutorial presentation in 4th International Multi Topic Conference (IMTIC 15) by Springer CCIS
May 2012 Best Presenter Award Seminar UIA Malaysia
April 2012 Won MOHE Malaysia Common Wealth Scholarship 2012
February 2012 Bronze Medal for poster presentation 2012 at UIA Malaysia
February 2012 Participation in postgraduate colloquium at UIA Malaysia
February 2011 Danish language certificate from LÃ¦rdansk, Odense, Denmark
June 2009 Spanish language certificate from Generalitat de Catalunya, Barcelona, Spain
April 2009 Research Grant from Internet Interdisciplinary Institute (IN3), Barcelona Spain

Communication Skills

- Ability to work individually and in a team.
- Quality to adapt to multicultural environments.

Languages

English	Fluent	<i>Able to Speak, Write, and Read</i>
Urdu	Fluent	<i>Able to Speak, Write, and Read</i>
Sindhi	Fluent	<i>Able to Speak, Write, and Read</i>
Arabic	Moderate	<i>Able to Speak, Write, and Read</i>
Swedish	Basic	

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Danish **Basic**
Spanish **Basic**

Interests

- Reading
- Travelling
- Running
- Snooker
- Writing
- Bowling
- Swimming

Personal Information

Date of Birth October 03, 1981
Marital Status Married
Passport Number BV5191362
Nationality Pakistan

References

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Institute of Information & Communication Technology IICT
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Phone: +923330368616

Dr. Fahad Shahbaz Khan

Assistant Professor
Computer vision laboratory, Dept. of electrical engineering,

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