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# Kashif Saleem, PhD

## Education

| | |
|---|---|
| *Jul 2007 – Jun 2011* | Doctor of Philosophy, Electrical Engineering<br>Universiti Teknologi Malaysia<br>Johor Bahru, Johor, Malaysia |
| *Jul 2005 – Jun 2007* | Master of Engineering, Electrical (Electronics & Telecommunication)<br>Universiti Teknologi Malaysia<br>Johor Bahru, Johor, Malaysia |
| *Jul 1999 – Jun 2002* | Bachelor of Sciences, Computer Science<br>Allama Iqbal Open University<br>Islamabad, Pakistan |

## Thesis

Kashif Saleem; *Biological inspired self-organized secure autonomous routing protocol for wireless sensor networks*. 06/2011, Degree: Doctor of Philosophy, Supervisor: Prof. Dr. Norsheila Fisal

Kashif Saleem; *QoS Provisioning for Real Time Services in MPLS, DiffServ aware IPv6 Network using IXP-2xxx (Intel® Network Processor)*. 06/2007, Degree: Masters of Engineering in Electrical (Electronics & Telecommunication), Supervisor: Munim Zabidi and Prof. Dr. Norsheila Fisal

## Awards Scholarships

| | |
|---|---|
| *15 Jan 2024* | Honorary Academic Title of Honorary Associate Professor Macquarie University, Sydney, Australia |
| *7 Dec 2017 – 5 Jan 2018* | Honorary Academic Title of Visiting Fellow Macquarie University, Sydney, Australia |
| *1 Jul 2008 – 31 Jul 2011* | Scholarship: Malaysian Technical Cooperation Programme Scholarship (MTCP) for Post Graduate Studies from Ministry of Higher Education, Malaysia |
| *Nov 2008* | Award: Best Paper - "A Bio-Inspired Secure Routing Protocol for WSNs", 2008 Regional Student Conference on Research and Development (SCOReD) |
| *Jan 2006 – May 2006* | Teaching Assistantship, Universiti Teknologi Malaysia, Faculty of Electrical Engineering (FKE), Johor Bahru, Malaysia |

## Professional Education / Certifications

"NET03x: Queuing Theory", a course of study offered by IMTx, an online learning initiative of Institut Mines-Télécom. Issued December 3, 2018

"Security Intelligence Analyst - Mastery Award for Educators", IBM Certified ID: 9454-1511-6903-8426.

"Cybersecurity: Technology, Application and Policy", 6-week Course, Professional Education, Massachusetts Institute of Technology – MIT, Boston, USA.

"IPICS2015 - Intensive Programme on Information & Communication Security", held at Lesvos island, Greece, dated: 6th - 17th July, 2015.

Matlab for Beginners/Intermediate, FSKSM, UTM, dated: 15 to 31 January 2007.

CCNA 3.0, Cisco Certified ID# CSCO10905985.

MCP 2003, Microsoft Certified ID# 3181755.

MCSE2000, Redhat Linux Certification 2003, National Engineers Training services (NETS), Pakistan.

## Experience

| | |
|---|---|
| *Sep 2018 – present* | **Associate Professor**<br>King Saud University, Riyadh, Saudi Arabia |
| *Feb 2024 – July 2024* | **Associate Professor of Networking**<br>School of IT & Engineering, Melbourne Institute of Technology (MIT), Sydney campus, Australia |
| *Mar 2012 – Aug 2018* | **Assistant Professor**<br>King Saud University, Riyadh, Saudi Arabia |
| *Jul 2011 – Dec 2011* | **Visiting Researcher**<br>Universiti Teknologi Malaysia, Faculty of Electrical Engineering (FKE)<br>Johor Bahru, Malaysia |
| *12 Jan 2006 – 16April 2006* | **Teaching Assistant** in Electronic Circuit<br>Universiti Teknologi Malaysia, Faculty of Electrical Engineering (FKE)<br>Johor Bahru, Malaysia |

## Research Projects

Accepted Research Project Proposal Title "Cyber Security System for Electricity Grid Infrastructure in Smart cities", the first in the seven appeared under the category of digital innovations; all six categories the total number of 100 were accepted from 459 submissions, funded by Ministry of Education, Saudi Arabia, as Primary Investigator (PI). (Completed)

"Information Security Mechanisms for Real Wireless Mesh Network Scenario", funded by National plan of Science, Technology and Innovation (MAARIFAH), King Abdulaziz City for Science and Technology (KACST), Kingdom of Saudi Arabia, Award Number (12-INF2817-02), as Primary Investigator (PI). (Completed)

In wireless mesh networks, the information security is the most difficult problem to tackle because of wireless medium that is open to enormous attacks. We are working on an Information Security Mechanism (ISMech) to ensure efficient and effective eHealthcare in a complete secure environment. The proposed security system will be tested on a real eHealthcare testbed that will be equipped with a set of servers (databases, authentication, application), advanced electronics, sensors, intelligent devices, intelligent firewalls, advanced threat analytics evaluators, and vulnerability scanners.

International Research Group (IRG) Project, "Security and Trust Management Schemes for Cognitive & Intelligent Communication", in collaboration with Intelligent Systems Group (Security & Trust) headed by Professor Mehmet A. Orgun, funded by Deanship of Scientific Research, King Saud University, Kingdom of Saudi Arabia, Award Number (IRG14-07B), as Primary Investigator (PI). (Completed)

Stakeholder of FI-STAR: Future Internet – Social and Technological Alignment Research (www.fi-star.eu), a project of the 7th Framework Programme (FP7). (Completed)

The objective of the FI-STAR project is to establish early trials in the Health Care domain, building on Future Internet (FI) technology leveraging on the outcomes of FI-PPP Phase 1 projects.

"Low-cost and Secure framework for Machine to Machine (M2M) Communication", funded by Research Center (RC) in College of Computer and Information Sciences (CCIS), King Saud University, Kingdom of Saudi Arabia. (Completed)

In this research, we propose a low-cost and secure (LCS) framework for remote patient monitoring. To ensure data privacy the mechanism involves intelligent authentication based on random distributive key management scheme and modified realm Kerberos while handling dynamic assignment of doctors to specific patient. The proposed architecture will be further analyzed in terms to provide security against fake request attack, false attack and temper attack.

"FPGA-based Space-Time MIMOOFDM Design for Wireless LANs", as Research Assistant at University Technology Malaysia in 2007. (Completed)


# Activities & Skills

*Teaching, Seminars, Trainings, and Workshops*

Recently launched master Cybersecurity program at the College of Computer and Information Sciences (CCIS), I designed the complete course and develop content for 'Cybersecurity Lab' and 'Cyber Crime and Digital Forensics'.

At the Department of Computer Sciences and Engineering, College of Applied Studies and Community Service, I designed the complete course and develop content for the Bachelor cybersecurity program course 'Computer Network Security Operations (Cyberwarfare).

Course Coordinator for Master of ICT Research, Assistant Course Coordinator for Master of Networking, teaching courses Artificial Intelligence, Computer-Human Interaction, Data Analytics, etc., and conducting research, at the School of IT & Engineering, the Melbourne Institute of Technology (MIT), Sydney.

Till date, I taught following courses.

- ✓ CEN444 – Computer Networks (Data Link Layer)
- ✓ CEN445 - Computer Networks-2 (Network Layer)
- ✓ CEN448 - Computer Network Security
- ✓ SEC522 – Cybersecurity Lab
- ✓ SEC 546 – Cyber Crime and Digital Forensics
- ✓ CYB444 – Computer Network Security Operations (Cyberwarfare)
- ✓ NET410 – Course: Wireless and Cellular Networks
- ✓ NGA200 – Course: Writing Reports (1)
- ✓ SEC599 – Course: Research Project II
- ✓ SEC598 – Course: Research Project I
- ✓ COS 217 – Applied Operating Systems
- ✓ COS 205 – Theory of Computation
- ✓ Real-Time and Embedded Systems
- ✓ Analysis, design and development of medical/health information Systems
- ✓ MDA622 – Human-Computer Interaction Design
- ✓ BDA112 – Data Science Fundamentals
- ✓ MDA522 – Artificial Intelligence
- ✓ CYB 523 – Cloud Security

Live Seminar on "Scientific Outcomes and Achievements: The National Plan for Science, Technology and Innovation (NPST) Project on Information Security Mechanism".

Training Course on "Cybersecurity: Technology and Application".

Live Seminar on "An Autonomous Secure IPv6 Routing Protocol for Internet of Things (IoT)"

Organized "Workshop on Cybersecurity R&D Grand Challenges in the Kingdom"

The list of research students at the Ph.D., master, and bachelor levels that I supervise is given below.

| | | |
|---|---|---|
| Guanglou Zhang | Muhammad Asif | Nawaf Al Majed |
| Rooh ul Amin | Habib | Abdullah Al- |
| Raja Wasim Ahmad | Abdallah Mustafa | Motawam |
| Muhammad Umair | Abdelrahman | Yasser Al-Akeel |
| Aslam | Ghadah Majid | Albatool Ali |
| Muhammad Yaseen | Alabduljabbar | Alqabbani |
| Sofiane Hamrioui | Nouf Alrowais | Khalid Hani K Abu |
| Rafiqul Islam | Azzam Al-ajroush | Atiyyah |
| Muneeb Ahmed Sahi | Faisal yousef | Mohammad |
| Hina Abrar | alfariheedi | Abdulrahman K |
| Saman Bashir | Mohammad Farouk | Aljabri |
| Rida Zojaj Naeem | Abdullatif | Nawaf Farh M |
| Manan AlMusallam | Abeer Hasan Alfaifi | Almutairi |
| Mukhtar ME | Othman Alnasser | Sulaiman Alwabisi |
| Mahmoud | | |

*Skills*
Routing, Networking, Computer Networking, Wireless Sensor Network, Network Performance Evaluation, Routing Protocols, Sensor Networks, Network, Information and Communication Technology, Network Security, Network Communication, Network Simulation, Mobility Management, Network Architecture, Network Programming, Wireless Computing, Network Performance Analysis, TCP, Network Management, LAN, Network technology, Security, Network Configuration, Network Engineering, Internet Architecture, WAN, CISCO Networking, Networking experience, Network Administration, Wireless Security, QoS, Algorithms, Network Processors, IPv6, Computer Network deployment and administration, Computer hardware and peripherals repairing, Data recovery from all kind of storage devices.

Invited as a speaker in 2nd International Engineering Conference and Exhibition, and as a session chair by Saudi Council of Engineers, Saudi Arabia at Four Seasons Hotel Riyadh, Saudi Arabia.

Invited as a speaker and a session chair in the workshop on "At the Intersection of Cybersecurity and the Internet of Things (IoT) in the GCC: is a secure IoT achievable?", at Chatham House, London, UK.

*Professional Services*
Organize Workshop on Cybersecurity R&D Grand Challenges in the Kingdom, King Saud University, Riyadh, Saudi Arabia.

Editorial Board Member of Journal of Multimedia Information System (JMIS)

Associate Editor of IEEE Access

Associate Editor of International Journal of E-Health and Medical Communications (IJEHMC)

Editorial Board Member of The International Journal of Cyber-Security and Digital Forensics (IJCSDF)

Committee Member of IEEE International Conference of eHealth, Networking, Application and Services (IEEE Healthcom)

Reviewer of numerous renowned Journals as IEEE Systems Journal, IEEE Sensors Journal, Journal of Network and Computer Applications (JNCA), International Journal of Autonomous and Adaptive Communications Systems (IJAACS), Computers in Human Behavior (CHB), International Journal of Distributed Sensor Networks (IJDSN), International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC), International Journal of Communication Systems, Security and Communication Networks, Telecommunication Systems Journal (TSJ), Electronics and Telecommunications Research Institute Journal (ETRI), Journal of Engineering and Computer Innovations (JECI), etc.

Technical Program Committee member of number of numerous renowned Conferences.

Organize International and local events as Reliability of eHealth Information Systems (ReHIS), Security and Privacy in Next Generation Networks (SPNGN).

## Publication Highlights
<div align="right">[authors]: <em>[title]</em>. [details]</div>

## Edited Book

1. Joel J. P. C. Rodrigues, Amjad Gawanmeh, **Kashif Saleem** and Sazia Parvin. *Smart Devices, Applications, and Protocols for the IoT*, March 2019, IGI Global Core Reference Title in Computer Science & IT for 2019, IGI Global Publishing USA, ISBN 9781522578116 DOI: 10.4018/978-1-5225-7811-6.

## Book Chapters

2. Qazi Emad Ul Haq, Muhammad Imran, **Kashif Saleem**, Tanveer Zia, and Jalal Al Muhtadi. "Review on Variants of Restricted Boltzmann Machines and Autoencoders for Cyber-Physical Systems." In Internet of Things Security and Privacy, pp. 188-207. CRC Press, 2023.
3. **Kashif Saleem**, Zhiyuan Tan, and William Buchanan. *Security for Cyber-Physical Systems in Healthcare*. In: Health 4.0: How Industry 4.0 and Virtualization are Revolutionizing Healthcare, 2017, Springer International Publishing Switzerland, ISBN 978-3-319-47616-2
4. **Kashif Saleem**, Zahid Farid, and Mohammad Ghulam Rahman; *Mobile IPv6 based Autonomous Routing Protocol (MARP) For Wireless Sensor*. In: Building Next-Generation Converged Networks: Theory and Practice, Edited by Al-Sakib Khan Pathan, Muhammad Mostafa Monowar, Zubair Md. Fadlullah, 1/2013; CRC Press., ISBN: 9781466507616
5. **Kashif Saleem**, Norsheila Fisal, Sharifah Hafizah, Syed Ariffin, Sharifah Kamilah, Syed Yusof, Rozeha A Rashid; *Biological Inspired Autonomously Secure Mechanism for Wireless Sensor Networks*. In: Security of Self-Organizing Networks: MANET, WSN, WMN, VANET, Edited by Al-Sakib Khan Pathan, 10/2010; CRC Press., ISBN: 9781439819197

## Journal Publications

6. Wei, Wei, Saiyu Qi, Xu Yang, Wenjia Zhao, Jun Gu, **Kashif Saleem**, and Yong Qi. "AACS: A Secure Attribute Based Data Access Control for Cloud-aided Internet of Vehicles Using SGX." IEEE Transactions on Vehicular Technology (2024).
7. Shafiq, Muhammad, Medhat Awadallah, **Kashif Saleem**, and Ahmed E. Youssef. "An Energy-efficient and Safe Landing Multirotor Design for Drones." IEEE Access (2024).
8. Islam, Safiqul, Mahadi Ahammed, Nura Alam Siddique, Palash Roy, Md Abdur Razzaque, Mohammad Mehedi Hassan, and **Kashif Saleem**. "A Hyper-Heuristic Approach for Quality of Experience Aware Service Placement Scheme in 5G Mobile Edge Computing." IEEE Access (2024).

9. **Kashif Saleem**, Mohammed Farouk Zinou, Farah Mohammad, Ridha Ouni, Ahmed Zohier Elhendi, and Jalal Almuhtadi. "End-to-end security enabled intelligent remote IoT monitoring system." Frontiers in Physics 12 (2024): 1357209.

10. Ridha Ouni, and **Kashif Saleem**. "Secure smart home architecture for ambient-assisted living using a multimedia Internet of Things based system in smart cities." Mathematical Biosciences and Engineering 21, no. 3 (2024): 3473-3497.

11. Dharminder Chaudhary, Uddeshaya Kumar, and **Kashif Saleem**. "A Construction of Three Party Post Quantum Secure Authenticated Key Exchange Using Ring Learning With Errors and ECC Cryptography." IEEE Access (2023).

12. Albatool Alqabbani, **Kashif Saleem**, and Abdulaziz S. Almazyad. "Digital Communication Forensics in 6G and beyond Networks." Applied Sciences 13, no. 19 (2023): 10861.

13. Tannu Sharma, M. Ranjith Kumar, Sachin Kaushal, Dharminder Chaudhary, and **Kashif Saleem**. "Privacy Aware Post Quantum Secure Ant Colony Optimization Ad hoc On-demand Distance Vector Routing in Intent Based Internet of Vehicles for 5G Smart Cities." IEEE Access (2023).

14. Ahmed E. Youssef, and **Kashif Saleem**. "A Hybrid MCDM Approach for Evaluating Web-Based E-Learning Platforms." IEEE Access (2023).

15. B. Natarajan, R. Elakkiya, R. Bhuvaneswari, **Kashif Saleem**, Dharminder Chaudhary, and Syed Husain Samsudeen. "Creating alert messages based on wild animal activity detection using hybrid deep neural networks." IEEE Access (2023).

16. Jalal Al-Muhtadi, Abeer Hasan, **Kashif Saleem**, Amjad Gawanmeh, and Joel Jose Puga Coelho Rodrigues. "Blockchain for global vaccinations efforts: State of the art, challenges, and future directions." International Journal of Electrical and Computer Engineering (IJECE) 13, no. 5 (2023): 5576-5587.

17. Shayan E. Ali, Noshina Tariq, Farrukh Aslam Khan, Muhammad Ashraf, Wadood Abdul, and **Kashif Saleem**. "BFT-IoMT: a blockchain-based trust mechanism to mitigate sybil attack using fuzzy logic in the internet of medical things." Sensors 23, no. 9 (2023): 4265.

18. Dharminder Chaudhary, Tanmay Soni, Kondeti Lakshmi Vasudev, and **Kashif Saleem**. "A modified lightweight authenticated key agreement protocol for Internet of Drones." Internet of Things (2022): 100669.

19. Aiman Almas, Waseem Iqbal, Ayesha Altaf, **Kashif Saleem**, Shynar Mussiraliyeva, and Muhammad Wajahat Iqbal. "Context-based adaptive Fog computing trust solution for time-critical smart healthcare systems." IEEE Internet of Things Journal (2023).

20. Saadia Ajmal, Rana Aamir Raza Ashfaq, and **Kashif Saleem**. "Uncertainty Based Optimal Sample Selection for Big Data." IEEE Access 11 (2023): 6284-6292.

21. Farah Mohammad, **Kashif Saleem**, and Jalal Al-Muhtadi. "Ensemble-Learning-Based Decision Support System for Energy-Theft Detection in Smart-Grid Environment." Energies 16, no. 4 (2023): 1907.

22. Zainab Alshingiti, Rabeah Alaqel, Jalal Al-Muhtadi, Qazi Emad Ul Haq, **Kashif Saleem**, and Muhammad Hamza Faheem. "A deep learning-based phishing detection system using CNN, LSTM, and LSTM-CNN." Electronics 12, no. 1 (2023): 232.

23. Sulaiman Alwabisi, Ridha Ouni, and **Kashif Saleem**. "Using Machine Learning and Software-Defined Networking to Detect and Mitigate DDoS Attacks in Fiber-Optic Networks." Electronics 11, no. 23 (2022): 4065.

24. **Kashif Saleem**, and Iftikhar Ahmad. "Ant Colony Optimization ACO Based Autonomous Secure Routing Protocol for Mobile Surveillance Systems." Drones 6, no. 11 (2022): 351.

25. Abdullah M. AlSahly, Mohammad Mehedi Hassan, **Kashif Saleem**, Amerah Alabrah, and Joel JPC Rodrigues. "Handheld Device-Based Indoor Localization with Zero Infrastructure (HDIZI)." Sensors 22, no. 17 (2022): 6513.

26. Ridha Ouni, and **Kashif Saleem**. "Framework for Sustainable Wireless Sensor Network Based Environmental Monitoring." Sustainability 14, no. 14 (2022): 8356.

27. Jalal Al Muhtadi, Rawan A. Alamri, Farrukh Aslam Khan, and **Kashif Saleem**. "Subjective logic-based trust model for fog computing." Computer Communications 178 (2021): 221-233.

28. Junaid Chaudhry, **Kashif Saleem,** Mamoun Alazab, Hafiz Maher Ali Zeeshan, Jalal Al-Muhtadi, and Joel J. P. C. Rodrigues. "Data Security Through Zero-knowledge Proof and Statistical Fingerprinting in

Vehicle-to-Healthcare Everything (V2HX) Communications.", IEEE Transactions on Intelligent Transportation Systems, DOI (identifier) 10.1109/TITS.2021.3066487 (2021).

29. **Kashif Saleem**, Ghadah Alabduljabbar, Nouf Alrowais, Jalal Al-Muhtadi, Muhammad Imran, and Joel J. P. C. Rodrigues. "Bio-Inspired Network Security for 5G-enabled IoT Applications." IEEE Access 8 (2020): 229152-229160.

30. Al-Muhtadi, Jalal, **Kashif Saleem,** Sumayah Al-Rabiaah, Muhammad Imran, Amjad Gawanmeh, and Joel JPC Rodrigues. "A Lightweight Cyber Security Framework with Context-Awareness for Pervasive Computing Environments." Sustainable Cities and Society (2020): 102610.

31. Muhammad, AbdulHafeez, Ansar Siddique, Ahmed E. Youssef, **Kashif Saleem**, Basit Shahzad, Adnan Akram, and Al-Batool Saleh Al-Thnian. "A Hierarchical Model to Evaluate the Quality of Web-Based E-Learning Systems." Sustainability 12, no. 10 (2020): 4071.

32. Dharminder, Dharminder, Dheerendra Mishra, Joel JPC Rodrigues, Ricardo de AL Rabelo, and **Kashif Saleem**. "PSSCC: Provably secure communication framework for crowdsourced industrial Internet of Things environments." Software: Practice and Experience (2020).

33. Ru Wang, Muhammad Imran, and **Kashif Saleem**. "A microservice recommendation mechanism based on mobile architecture." Journal of Network and Computer Applications 152 (2020): 102510.

34. Muhammad Yaseen, Waseem Iqbal, Imran Rashid, Haider Abbas, Mujahid Mohsin, **Kashif Saleem**, and Yawar Abbas Bangash. "MARC: A Novel Framework for Detecting MITM Attacks in eHealthcare BLE Systems." Journal of Medical Systems 43, no. 11 (2019): 324.

35. Gernmanno Teles, Joel JPC Rodrigues, **Kashif Saleem**, Sergei Kozlov, and Ricardo AL Rabêlo. "Machine learning and decision support system on credit scoring." Neural Computing and Applications (2019): 1-18.

36. Germanno Teles, Joel JPC Rodrigues, **Kashif Saleem**, and Sergei A. Kozlov. "Classification Methods Applied to Credit Scoring With Collateral." IEEE Systems Journal (2019).

37. José VV Sobral, Joel José PC Rodrigues, Ricardo AL Rabêlo, **Kashif Saleem**, and Sergei A. Kozlov. "Improving the Performance of LOADng Routing Protocol in Mobile IoT Scenarios." IEEE Access 7 (2019): 107032-107046.

38. Jalal Al-Muhtadi, Basit Shahzad, **Kashif Saleem**, Wasif Jameel, Mehmet A Orgun, *"Cybersecurity and privacy issues for socially integrated mobile healthcare applications operating in a multi-cloud environment"*, Health Informatics Journal, SAGE Publishers, (2019): Volume: 25 Issue: 2, Pages:315-329

39. Silva, Jonathan de C., Joel JPC Rodrigues, **Kashif Saleem**, Sergei A. Kozlov, and Ricardo AL Rabêlo. "M4DN. IoT-A Networks and Devices Management Platform for Internet of Things." IEEE Access (2019).

40. Ashish Khanna, Joel JPC Rodrigues, Naman Gupta, Abhishek Swaroop, Deepak Gupta, **Kashif Saleem**, and Victor Hugo C. de Albuquerque. "A mutual exclusion algorithm for flying Ad Hoc networks." Computers & Electrical Engineering 76 (2019): 82-93.

41. Muhammad Asif Habib, Mudassar Ahmad, Sohail Jabbar, Shehzad Khalid, Junaid Chaudhry, **Kashif Saleem**, Joel JPC Rodrigues, and Muhammad Sayim Khalil. "Security and privacy based access control model for internet of connected vehicles." Future Generation Computer Systems (2019) Volume: 97, Pages 687-696.

42. Sobral, José, Joel Rodrigues, Ricardo Rabelo, **Kashif Saleem**, and Vasco Furtado. "LOADng-IoT: An Enhanced Routing Protocol for Internet of Things Applications over Low Power Networks." Sensors 19, no. 1 (2019): 150.

43. Vilela, Pedro H., Joel JPC Rodrigues, Petar Solic, **Kashif Saleem**, and Vasco Furtado. "Performance evaluation of a Fog-assisted IoT solution for e-Health applications." Future Generation Computer Systems (2019), Volume: 97, Pages 379-386.

44. Santos, Diego AA, Joel JPC Rodrigues, Vasco Furtado, **Kashif Saleem**, and Valery Korotaev. "Automated electronic approaches for detecting disease vectors mosquitoes through the wing-beat frequency." Journal of Cleaner Production (2019).

45. Moreira, Mário WL, Joel JPC Rodrigues, Neeraj Kumar, **Kashif Saleem**, and Igor V. Illin. "Postpartum depression prediction through pregnancy data analysis for emotion-aware smart systems." Information Fusion 47 (2019): 23-31.

46. Junaid Chaudhry, **Kashif Saleem**, Paul Haskell-Dowland, and Mahdi H. Miraz. "A survey of distributed certificate authorities in MANETs." Annals of Emerging Technologies in Computing (AETiC) Vol. 2, No. 3, (2018).

47. Mukhtar ME Mahmoud, Joel JPC Rodrigues, **Kashif Saleem**, Jalal Al-Muhtadi, Neeraj Kumar, and Valery Korotaev. *"Towards energy-aware fog-enabled cloud of things for healthcare."* Computers & Electrical Engineering (2018).

48. Jalal Al-Muhtadi, Ma Qiang, **Kashif Saleem**, Manan AlMusallam, and Joel JPC Rodrigues. *"Misty clouds—A layered cloud platform for online user anonymity in Social Internet of Things."* Future Generation Computer Systems (2018).

49. Jalal Al-Muhtadi, Ma Qiang, Khan Zeb, Junaid Chaudhry, **Kashif Saleem**, Abdelouahid Derhab, Muhammad Imran, Mehmet A. Orgun, and Maruf Pasha, *"A Critical Analysis of Mobility Management Related Issues of Wireless Sensor Networks in Cyber Physical Systems"*, IEEE Access (2018).

50. Hina Abrar, Syed Jawad Hussain, Junaid Chaudhry, **Kashif Saleem**, Mehmet A. Orgun, Jalal Al-Muhtadi, and Craig Valli. *"Risk Analysis of Cloud Sourcing in Healthcare and Public Health Industry."* IEEE Access (2018).

51. Jalal Al-Muhtad, Ma Qiang, **Kashif Saleem**, Manan AlMusallam, and Joel JPC Rodrigues. *"Misty clouds–A layered cloud platform for online user anonymity in Social Internet of Things."*, Future Generation Computer Systems (2018).

52. Sofiane Hamrioui, Isabel de la Torre, Begoña García Zapirain, **Kashif Saleem**, and Joel J. P. C. Rodrigues, *"A Systematic Review of Security Mechanisms for Big Data in Health and New Alternatives for Hospitals"*, Wireless Communications and Mobile Computing, Hindawi (2017): 1-18

53. Muneeb Ahmed Sahi, Haider Abbas, **Kashif Saleem**, Xiaodong Yang, Abdelouahid Derhab, Mehmet Orgun, Waseem Iqbal, Imran Rashid, and Asif Yaseen, *"Privacy Preservation in e-Healthcare Environments: A Review"*, IEEE Access, (2017): 1-15, DOI: 10.1109/ACCESS.2017.2767561

54. Muhammad Yaseen, **Kashif Saleem**, Mehmet A. Orgun, Haider Abbas, Jalal Al-Muhtadi, Waseem Iqbal, Imran Rashid, *"Secure Sensors Data Acquisition and Communication Protection in eHealthcare: Review on the State of the Art"*, Telematics and Informatics, Elsevier, (2017): 1-28, DOI: 10.1016/j.tele.2017.08.005

55. **Kashif Saleem**, Basit Shahzad, Mehmet A Orgun, Jalal Al-Muhtadi, Joel JPC Rodrigues, Mohammed Zakariah, *"Design and deployment challenges in immersive and wearable technologies"*, Behaviour & Information Technology, Taylor & Francis, 36, no. 7, (2017): 687-698, DOI: 10.1080/0144929X.2016.1275808

56. Basit Shahzad, Abdullatif M Abdullatif, **Kashif Saleem**, Wasif Jameel, *"Socio-Technical Challenges and Mitigation Guidelines in Developing Mobile Healthcare Applications"*, Journal of Medical Imaging and Health Informatics, American Scientific Publishers, 7, no. 3 (2017): 704-712. DOI: 10.1166/jmihi.2017.2050

57. M. Ikram Ullah Lali, Raza Ul Mustafa, **Kashif Saleem**, M. Saqib Nawaz, Tehseen Zia, and Basit Shahzad. *"Finding Healthcare Issues with Search Engine Queries and Social Network Data."* International Journal on Semantic Web and Information Systems (IJSWIS) 13, no. 1 (2017): 48-62. DOI:10.4018/IJSWIS.2017010104

58. Muhammad Umair Aslam, Abdelouahid Derhab, **Kashif Saleem**, Haider Abbas, Mehmet Ali Orgun, Waseem Iqbal, and Baber Aslam; *"A Survey of Authentication Schemes in Telecare Medicine Information Systems"*, Journal of Medical Systems, (2017) 41: 14. DOI:10.1007/s10916-016-0658-3

59. Guanglou Zheng, Rajan Shankaran, Mehmet Orgun, Li Qiao, and **Kashif Saleem**. *"Ideas and Challenges for Securing Wireless Implantable Medical Devices: A Review."* IEEE Sensors Journal (2016). DOI:10.1109/JSEN.2016.2633973

60. Ahmad, Raja Wasim, Abdullah Gani, Siti Hafizah Ab Hamid, Mohammad Shojafar, Abdelmuttlib Ibrahim Abdalla Ahmed, Sajjad A. Madani, **Kashif Saleem**, and Joel JPC Rodrigues. *"A survey on energy estimation and power modeling schemes for smartphone applications."* International Journal of Communication Systems. vol. 2016, Article ID 4853924, 19 pages, 2016. DOI: 10.1002/dac.3234

61. Rooh ul Amin, Irum Inayat, Basit Shahzad, **Kashif Saleem**, and Li Aijun; *An empirical study on acceptance of secure healthcare service in Malaysia, Pakistan, and Saudi Arabia: a mobile cloud computing perspective*, annals of telecommunications - annales des télécommunications, vol. 2016, 1-12 pages, November 2016. DOI: 10.1007/s12243-016-0553-4

62. **Kashif Saleem** and Amjad Gawanmeh; *Special Issue on Reliability and Security of e-Health Information Systems*, Scalable Computing 17(3) · August 2016. DOI:10.12694/scpe.v17i3.1177

63. Shaker Alanazi, **Kashif Saleem**, Jalal Al-Muhtadi, and Abdelouahid Derhab; *Analysis of Denial of Service Impact on Data Routing in Mobile eHealth Wireless Mesh Network*, Mobile Information Systems, vol. 2016, Article ID 4853924, 19 pages, 2016. DOI:10.1155/2016/4853924

64. João Santos, Joel J.P.C. Rodrigues, João Casal, **Kashif Saleem**, Victor Denisov; *Intelligent Personal Assistants Based on Internet of Things Approaches*. IEEE Systems Journal 05/2016. DOI:10.1109/JSYST.2016.2555292

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