PROF. MUNEER BANI YASSEIN
PROFESSOR OF COMPUTER SCIENCE

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Brief:

Professor Muneer Bani Yassein is currently Professor in the Department of Computer Science, where he taught more than 20 different courses at all levels (from 0-level remedial courses to 700-level advanced graduate-level courses). He supervised more than 220 students at all levels: four at the PhD-level (jointly supervised with Professor Al-Dubai from Edinburgh Napier University, UK), 50 at the MSc-level (45 already graduated). He recognized as one of the top researchers publishing in Scopus journals in Jordan University of Science and Technology with 130+ publications. Professor Bani Yassein is named in the world's top 2% of Scientists List. He leads the IoT and Networked Systems Research Group. He served as a Department Chairperson for two years before he started his position as a Vice Dean for eight years and Vice Dean of Deanship of Student Affairs for one year. He continued to serve as a member of the faculty and department councils, the Department Chairs Council, the department's Curriculum Committee, and several Focus Groups and the faculty's Curriculum Committee and Promotions Committee. He was a member of several university-level committees. Prof. Bani Yassein was awarded his PhD from the Department of Computing Science, University of Glasgow in 2007. He leads interdisciplinary research and initiatives on the area of Group Communications, High-performance Networks, Internet of Things, Future Networks, Smart Cities and Security. His findings have been published widely in top tier journals including different IEEE journals, and in prestigious international conferences including IEEE ICC. He published more than 200 papers, some of which are well-received by the community and they are widely read and well-cited (3764 citations on Google Scholar and 2056 citations on Scopus). He helped in organizing dozens of conferences and workshops.

Qualifications and Certification

- ✓ **Ph.D.**
  - ▪ **Major:** Computer Science (Internet of Things, Mobile Computing, Artificial Intelligence, Machine learning, IoT Security)
  - ▪ **Ph.D. Dissertation**
    - ▪ On the Performance of Probabilistic Flooding in Wireless Mobile Ad hoc Networks
    - ▪ **University:** University of Glasgow, Glasgow U.K, 2007.
    - ▪ **Department:** Computer Science

- ✓ **M.S.**
  - ▪ **Major:** Computer Science.
    - ▪ **Title:** Equivalent Bandwidth Based Dynamic Routing in Asynchronous Transfer Mode Networks
    - ▪ **University:** Faculty of Information Technology, Al al-Bayt University, Mafraq, Jordan, 2001
    - ▪ **Department:** Computer Science.
- ✓ **B.Sc**
  - ▪ **Major:** Computer Science.
    - ▪ **University:** Yarmouk University, Irbid, Jordan, 1985.
    - ▪ **Department:** Computer Science.

PROF. MUNEER BANI YASSEIN
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Academic Posts

- **Professor of Computer Science**
  JUST. 2017- Present
- **Associate Professor of Computer Science**
  JUST. 2012-2017
- **Assistant Professor of Computer Science**
  JUST. 2007-2012

Administrative Posts & Executive Experience

- **Current Post: Dean -Faculty of Computer and Information Technology. since 2022.**
- **9/2022 – Present: Dean -Faculty of Computer and Information Technology**.
- **9/2018 – 9/2022: Vice Dean -Faculty of Computer and Information Technology**.
- **9/2017 – 9/2018: Vice Dean -Deanship of Student Affairs**.
- **9/2016 – 9/2017: Vice Dean -Faculty of Computer and Information Technology**.
- **9/2015 – 9/2016: Associate Professor of Computer science, JUST, Jordan.**
- **9/2014– to 9/2015: Scholar visitor, Edinburgh Napier University, U.K.**
- **9/2013–9/2014: Vice Dean-Faculty of Computer and Information Technology**.
- **9/2010 – 9/2012: Vice Dean - Faculty of Computer and Information Technology**.
- **9/2008 – 8/2010: Chairman of the Department of Computer science, JUST, Jordan**.
- **6/2007 – 6/2012: Assistant Professor of Computer science, JUST, Jordan.**
- **9/2008 – 2014: Part time lecturer at New York Institute of Technology (NYIT) – Amman**
- **1/2003 - 5/2007: Teaching Assistant, University of Glasgow, Glasgow, U.K.**
- **9/1988 -12/2002: Teaching Assistant and Grader, Computer science, JUST, Jordan**

Publications in Indexed and Refereed Journals

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1.**Muneer Bani Yassein**, Ismail Hmeidi, Omar Alomari, Wail Mardini, Omar AlZoubi, Dragana Krstic, Blockchain Technology in Cloud Computing: Challenges and Open Issues, Digital Transformation Technology, pages 81-98, Springer, 2022.

2.**Muneer Bani Yassein** , Alrawashdeh, A.M., Alzoubi, O.A., Shatnawi, M.Q., Adjusted and robust routing update algorithms for internet of things, International Journal on Communications Antenna and Propagation, 11(4), pp. 223-232,2021.

3.**Muneer Bani Yassein**, Aqouleh, A.A., Performance evaluation of IPV6 routing protocol for low power and lossy networks based on objective functions for media technology, , International Journal on Communications Antenna and Propagation, 11(3), pp. 210-215,2021.

4.Omar AlZoubi, Buthina AlMakhadmeh, **Muneer Bani Yassein**, Wail Mardini, Detecting naturalistic expression of emotions using physiological signals while playing video games, Journal of Ambient Intelligence and Humanized Computing,pages 1-14, 2021.

5.,**Muneer Bani Yassein**, Shadi Aljawarneh, Mohammad Eyadat, Eman Eyadat, Routing protocol for low power and lossy network–load balancing time-based, International Journal of Machine Learning and Cybernetics, Volume 12, Issue 5, Pages

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3101-3114,   2021.

6.Mohammad Malkawi, **Muneer Bani Yassein**, Asmaa Bataineh, "Blockchain based voting system for Jordan parliament elections", International Journal of Electrical & Computer Engineering (2088-8708), Volume 11, Issue 5, Pages 4325-4335, 2021.

7.Al-Gharaibeh, R., **Muneer Ya**ssein, Younis, L.B. Performance evaluation of rpl objective functions with different transmission range for media technology, International Journal on Communications Antenna and Propagation, 11(2), pp. 137-146,2021.

8.Wail Mardini, **Muneer Bani Yassein**, Rana Al-Rewashed, Shadi Aljawarneh, Yaser Khamayseh, Omar Meqdadi, Enhanced Detection of Epileptic Seizure Using EEG Signals in Combination with Machine Learning Classifiers, IEEE Access, Volume 8, Pages 24046-24055, 2020, IEEE.

9.**Muneer Bani Yassein**, Qanita Bani Baker, Haneen Shehadeh, Adaptive and Fair Route Update Algorithm for Low power and Lossy Networks in the Internet of Things, International Journal on Communications Antenna and Propagation, SCOPUS Q1, Volume 10, Issue 1, Pages 58-67, April, 2020.

10.**Muneer Bani Yassein**, Shadi Aljawarneh, Yarub Wahsheh, Hybrid real-time protection system for online social networks, Journal of Foundations of Science, Springer Netherlands, SCOPUS Q1, pages 1-31, 2019.

11.Yaser Khamayseh, Muneer Bani Yassein, Mai Abu-Jazoh, Intelligent black hole detection in mobile   AdHoc networks, International Journal of Electrical and Computer Engineering, SCOPUS Q2, Vol 9, No 3, Pages 1968-1977, June 2019

12.Yaser Khamayseh, **Muneer Bani Yassein**, Haneen Al-Nassan, Highly Improved Artificial Bee Colony Scheme to Enhance Coverage and Fault Tolerance in Sensor Networks, International Journal on Communications Antenna and Propagation (IRECAP), SCOPUS Q1 Volume 9, Issue 3, Pages 207-217,2019.

13.**Muneer Bani Yassein**, Shadi Aljawarneh, Mohammad Al-Saad, An Efficient on-Demand Constrained Application Protocol for Internet of Things, International Journal on Communications Antenna and Propagation (IRECAP), SCOPUS (Q1), Volume 8, Issue 3, Pages 180-187, June 2018.

14.**Muneer Bani Yassein**, Yaser Khamayseh, Mohammad Al-Rousan, Yazan Rababah, Adaptive Distance-based Broadcasting Scheme for Mobile Ad Hoc Networks, International Journal on Communications Antenna and Propagation (IRECAP), SCOPUS (Q1), Volume 8, Issue 3,

15.Haneen Shehadeh, Wail Mardini, **Muneer Bani Yassein**, Doaa Habeeb, Waed Bani Yaseein, Hop Count " Dynamic Double Trickle Timer Algorithm Use Case: Data Aggregation In Smart Green House, The 2nd International Conference on Future Networks and Distributed Systems, 2018/6/26, SCOPUS.

16.**Muneer Bani Yassein**, Wail Mardini, Taha Almasri, Evaluation of security regarding Z-Wave wireless protocol, The International Conference on Engineering & MIS 2018, SCOPUS.

17.**Muneer Bani Yassein**, Yaser Khamayseh, Mardini, Wail, Manar Al Bataineh, Enhanced Home Energy Management Scheme (EHEM) in Smart Grids, International Journal of Communication Networks and Information Security (IJCNIS),SCOPUS Q2.,2018, SCOPUS.

18.**Muneer Bani Yassein**, Wail Mardini, Amnah Al-Abdi, Security Issues in the Internet of Things: A Review, Critical Research on Scalability and Security Issues in Virtual Cloud Environments,Book,2018.SCOPUS.

19.Reema Abdulraziq, **Muneer Bani Yassein**, Shadi Aljawarneh, The Rise of Big Data, Cloud, and Internet of Things: Three Trends to Watch, Critical Research on Scalability and Security Issues in Virtual Cloud Environments,Book chapter 2018.
20.Yaser Khamayseh, Wail Mardini, Shadi Aljawarneh, **Muneer Bani Yassein**, Integration of wireless technologies in Smart University Campus environment: framework architecture, Smart Technologies: Breakthroughs in Research and Practice, SCOPUS. 2018.

21.**Muneer Bani Yassein**, Mohammad Hamdan, Hisham Shehadeh, Lina Mrayan: Mrayan," A Novel Approach for Health Monitoring System Using Wireless Sensor Network, International Journal on Communications Antenna and Propagation (IRECAP), SCOPUS (Q1), September 2017.

22.Shadi Aljawarneh, **Muneer Bani Yassein**, Mohammed Aljundi," An enhanced J48 classification algorithm for the anomaly intrusion detection systems", Cluster Computing, SCOPUS (Q1), pages 1-17, Springer, September 2017.

23.**Muneer Bani Yassein**, Yaser Khamayeh, Ismail Hmeidi, Ahmed Al-Dubai, Mohammed Al-Maolegi," A New Energy-Efficient Hybrid and Clustering Routing for Wireless Sensor Networks",International Journal on Communications Antenna and Propagation (IRECAP), SCOPUS (Q1), Volume 7, Issue 3, Pages 176-187, July 2017.

24.**Muneer Bani Yassein**, Firas ALbalas, Alaa Odeh," Energy-Aware objective function for RPL Routing in Internet of Things",International Journal on Communications Antenna and Propagation (IRECAP), SCOPUS (Q1), Volume 7, Issue 3, Pages 188-197, July 2017

25.Shadi Aljawarneh, **Muneer Bani Yassein** and Weam Talafha "A Multithreaded Programming Approach for Multimedia Big" ,Accepted to appear in Multimedia Tools and Applications, Volume 76 Issue 11, Pages 1-20 June, 2017. Springer, SCOPUS(Q1), Thomson Reuters, Science Citation Index Expanded (SCIE).

26.Wail Mardini, Firas Albalas, Qusai Obeidat, **Muneer Bani Yassein**," Improved Home Energy Management Techniques for Smart Grids", International Journal of Smart Home, SCOPUS (Q3), Volume 11 Issue 5, Pages 1-20 June, 2017.

27.Qusai Abuein, Mohammed Shatnawi, **Muneer Bani Yassein**, Reem Mahafza," Intelligent system for visual web content analytics: A new approach and case study", Multimedia Tools and Applications, page
1-15, May 2017, DOI: 10.1007/s11042-017-4740-8 ,Science Citation Index Expanded (SCIE) ,SCOPUS(Q1).

28.Shadi Aljawarneha, Monther Aldwairi, **Muneer Bani Yassein**, " Anomaly-based intrusion detection system through feature selection analysis and building hybrid efficient model", Journal of Computational Science, https://doi.org/10.1016/j.jocs.2017.03.006, SCOPUS(Q1), Thomson Reuters, Science Citation Index Expanded (SCIE), Online 22 March 2017.

29.Wail Mardini, Yaser Khamayseh, Marwa Salayma, **Muneer Bani Yassein**, Hussien Mouftah," Adaptive Duty Cycle (ADC) Energy Effecient Algorithm for ZigBee Networks", International Journal of Computer Systems Science and Engineering, SCOPUS(Q2), Thomson Reuters, Science Citation Index Expanded (SCIE). Volume 32, Issue 1, Pages 5-19, January 2017,http://csse.crlpublishing.com/index.php/csse

30.**Muneer Bani Yassein**, Shadi Aljawarneh, Esra'a Masa'deh," A new elastic trickle timer algorithm for Internet of Things", Journal of Network and Computer Applications, Elsevier, Volume 82, Issue 6,Pages 1-24, January 2017. Citation Index Expanded (SCIE) ,SCOPUS(Q1).Published
online,http://www.sciencedirect.com/science/article/pii/S1084804517300462

31.Wail Mardini, Firas A. ALbalas , Qusai Obeidat , **Muneer Bani Yassein**, IMPROVED HOME ENERGY MANAGEMENT TECHNIQUES FOR SMART GRIDS",, accepted for publication by International Journal of Smart Homes (Scopus Q3), May 2017.

32.**Muneer Bani Yassein**, Mohammed Shatnawi, Wail Mardini, Dua' Al-zoubi," Internet of Things Business Impact and its Application Layer Protocol in Embedded Systems", accepted to appear in International Journal of Intelligent Enterprise, Inderscience, December 2016, Scopus Q3.
33.Shadi Aljawarneh, **Muneer Bani Yassein** and Weam Talafha," A Resource-Efficient Encryption Algorithm for Multimedia Big Data", Multimedia Tools and Applications, Volume 76, Issue 1, Pages 1-23, January 2017. Springer, published online 23/1/2017, SCOPUS(Q1), Thomson Reuters, Science Citation Index Expanded (SCIE), Online 22 March 2017. http://link.springer.com/article/10.1007%2Fs11042-016-4333-y

34.**Muneer Bani Yassein**, Yaser Khamesh and Mai AbuJazoh," Feature Selection for Black Hole Attacks"
accepted for publication inJournal of Universal Computer Science, Volume 22, Issue 4, Pages
521-536, July 2016 . SCOPUS(Q2)

35.Shadi Aljawarneh and **Muneer Bani Yassein** " A Conceptual Security Framework for Cloud Computing Issues,"
International Journal of Intelligent Information Technologies (IJIIT)Volume 12, Issue 2, Pages 12-24, 2016. SCOPUS(Q3)

36.Wail Mardini, Firas A. ALbalas , Qusai Obeidat , **Muneer Bani Yassein**, IMPROVED HOME ENERGY MANAGEMENT
TECHNIQUES FOR SMART GRIDS",, accepted for publication in the International Journal of Information and Communication
Technology,, March 2016.

37.**Muneer Bani Yassein** and Ahmed Y. Al-Dubai" Novel Broadcast Schemes in DSR for Mobile Ad Hoc Networks"
International Journal of Advanced Computer Science and Applications, Volume 7 Issue 4, pages 563-568, May, 2016,

38.**Muneer Bani Yassein**, Qusai Abuein Abuein, Ahmad Bani Amer," Energy Saving in Constrained Application Protocol of
Internet of Things", International Journal on Communications Antenna and Propagation (IRECAP), Volume 6, Issue 3, pages
160-168, 2016. SCOPUS(Q1)

39.Qusai Abuein, Mohammed Shatnawi, **Muneer Bani Yassein**, Radwan Batiha," A Framework for Social Media and Text-
Based Content Analysis for Event Management Purposes", International Review on Computers and Software (I.RE.CO.S.),
Volume 11, Issue 5, Pages 388-394,2016, SCOPUS(Q1)

40.**Muneer Bani Yassein**, Damer, "Nour Alhuda", Flying Ad-Hoc Networks: Routing Protocols, Mobility Models, Issues,
International Journal of Advanced Computer Science and Applications, Volume 7, Issue 6,Pages 162-168,2016,

41.Qusai Abuein, **Muneer Bani Yassein**, Mohammed Shatnawi, Laith Bani-Yaseen, Omar Al-Omari, Moutaz Mehdawi,
Hussien Altawssi, Performance Evaluation of Routing Protocol (RPL) for Internet of Things, International Journal of
Advanced Computer Science and Application,Volume 7, Issue 7, pages 17-21, 2016.

42.**Muneer Bani Yassein**, Safwan Omari, Enas Abu Yabes, Shadi Aljawarneh," An Energy Saving Algorithm (ESA) For
Wireless Sensor Networks: Testing and Evaluation", Recent Patents on Computer Science,, Volume 9, Issue 3, pages 1-14,
2015. SCOPUS(Q2)

43.**Muneer Bani Yassein**, Mohammad Hamdan, Hisham Shehadeh, "PERFORMANCE EVALUATION OF HEALTH
MONITORING NETWORK FOR ELDERLY PATIENT IN HOME", Asian Journal of Mathematics and Computer Research,
Volume 9, issue 2, pages 108-118, 2015.

44.**Muneer Bani-Yassein**, Mohamed Al-Maolegi, Yaser Khamayseh, Dragana Krstic, Shadi Aljawarneh "Smart System for
Busy Roads Using Short Range Wireless Technologies", International Journal of Mathematics and Computers in Simulation,
Volume 9, pages 156-152, 2015.

45.Danijela Aleksić Dragana S. Krstić, Suad Suljović, Mihajlo Č. Stefanović, **Muneer Bani Yassein**, " Level crossing rate of
SC receiver output signal in the presence of Gamma shadowing and k-µ or Rician multipath fading", International Journal
of communications, Volume 9, pages 19-27, 2015.

46.Mohammad Al-Rousan, **Muneer Bani Yassein**, Ahmed Al-Dubai, Barraq Ghaleb, Ibrahim Mahmoud "A novel situation
specific network security for Wireless Sensor Networks", International Journal of Sensors and Transducers, Volume
186,Issue 3, pages 33-42, 2015.

47.Yaser khamayseh , Wail Mardini , Shadi Aljawarneh and **Muneer Bani Yassein**, "Integration of Wireless Technologies
in Smart University Campus Environment: Framework Architecture", the International Journal of Information
Communication and Technology Education (IJICTE), Volume 11, Issue 1, pages 60-74, 2015.

48.Athina Bourdena, Constandinos Mavromoustakis , George Kormentzas, Evangelos Pallis, George Mastorakis and **Muneer Bani Yassein,** "A Resource Intensive Traffic-Aware Scheme using Energy-Aware Routing in Cognitive Radio Networks", Future Generation Computer Systems, 2014.Volume 39: pages 16-28, 2014.

49.Wail Mardini, **Muneer Bani Yassein**, Yaser Khamayseh, Barraq A Ghaleb," Rotated Hybrid, Energy-Efficient and Distributed (R-HEED) Clustering Protocol in WSN", Transactions on Communications, Volume 13, Pages 275-290, 2014.

50.Yaser M Khamayseh, **Muneer Bani Yassein**, Mariam AbdAlghani, Constandinos X. Mavromoustakis, "Network Size Estimation in VANETs", International Journal "Network Protocols and Algorithms" (ISSN:1943-3581).Volume 5 Issue 3, Pages 136-152, November, 2013

51.**Muneer Bani Yassein**, Balqees Abd Hameed, Wail Mardini, Yaser Khamayseh, "Performance Analysis of Adjusted Counter Based Broadcasting in Mobile Ad Hoc Networks", International Journal of Communications and Network, 2013, 5, 353-359, Published Online November 2013.

52. Sana'a A. Alwidian, Ismail M. Ababneh and **Muneer Bani Yassein**, "Neighborhood-basedRoute Discovery Protocols for Mobile Ad hoc Networks ", International JournalofMobile   Computing and Multimedia, Volume 5 Issue 3, Pages 68-87, July2013.

53.**Muneer Bani Yassein**, Amera Al-Ameri, Yaser Khamayseh Wail Mardini,"Routing Discovery Algorithm Using Parallel Chase Packet", International Journal of Advanced Computer Science and Applications, Volume 4, Issue,3, Pages 104-109, 2013.

54.Marios Charalambous , Constandinos X. Mavromoustakis , **Muneer Bani Yassein** George C. Violaris " On the mobility scenario implementation using a graphical P2P discrete event simulator for the Bit torrent protocol, in Journal of Algorithms and Computational Technology. Volume 7, Issue 4, December 2013.

55.**Muneer Bani Yassein**, Yaser M. khamayseh, Ali Hatamleh, "Intelligent Randomize Round Robin for Cloud Computing ", International Journal of Cloud Applications and Computing (IJCAC)), Volume: 3, Issue 1, Pages 27-33, 2013.

56.**Muneer Bani Yassein,** Zeinab Jaradat, Naveen Hijazi, Constandinos Mavromoustakis "New Load Balancing Algorithm for LEACH Protocol (F-VCH LEACH)",Sensors & Transducers Journal, Volume 145 , Number 10 , Pages 172 - 183, 2012.

57.Muneer Bani Yassein, Ala'a N. Alslaity and Sana'a A. Alwidian "An Efficient Overhead-Aware Leader Election Algorithm for Distributed Systems", International Journal of Computer Applications, Volume 49, Issue 6, Pages 10-15, 2012.

58.Ahmad Momani, **Muneer Bani Yassein**, Omar Darwish, Saher Manaseer and Wail Mardini " Intelligent Paging Backoff Algorithm for IEEE 802.11 MAC Protocol", International Journal of Network Protocols and Algorithms, Volume 4, Issue 3, Pages 108-123, 2012.

59.Constandinos Mavromoustakis and **Muneer Bani Yassein** "Movement synchronization for improving File-Sharing efficiency using bi-directional recursive data replication in Vehicular P2P Systems ", International Journal on Advances in Networks and Services, Volume 5, Issue 1 & 2, Pages 78 - 90, 2012.

60.**Muneer Bani Yassein**, Qusai Abu ein and Deya Alzoubi," Dynamic Probabilistic Flooding in DSR Routing Algorithm for Wireless Network" , Journal of Emerging Technologies in Web Intelligence, Volume 4, Issue 4, Pages 352– 361, November 2012.

61.**Muneer Bani Yassein**, Mohamed Al Omari and Constandinos Mavromoustakis," Optimized

Pessimistic Fibonacci Back-off Algorithm (PFB)" , International Journal of Advanced Computer Science and Applications, Volume 3, Issue 9, Pages 54 - 60, 2012.

62.**Muneer Bani Yassein**, Marwa Salayma, Wail Mardini, Yaser Khamayseh, "Fibonacci Backoff Algorithm for IEEE 802.15.4/ZigBee", International Journal of Network Protocols and Algorithms, Volume, Pages 62 - 78, 2012.

63.Mohammed Q. Shatnawi, **Muneer Bani Yassein** and Reem Mahafza " A framework for retrieving Arabic documents based on queries written in Arabic slang language, International Journal of Information Science, Volume 38, Issue 4, Pages 350-365, 2012

64.**Muneer Bani Yassein**, Sanabel Fathi Nimer, Ahmed Y. Al-Dubai: "A new dynamic counter-based broadcasting scheme for Mobile Ad hoc Networks," Journal of Simulation Modelling Practice and Theory, Volume 19, Issue 1, Pages 553-563, 2011, Elsevier Journal.

65.**Muneer Bani Yassein**, M. Bani Khalaf and A. Y. Al-Dubai," A performance comparison of smart probabilistic broadcasting of ad hoc distance vector (AODV)," International Journal of Supercomputing, Volume 53, Number 1, Pages 196-211, 2010, Springer Journal.

66.**Muneer Bani Yassein**, Hassan Mistareehi, "Improvement on the Lifetime of the WSN Using Energy Efficiency Saving of Leach Protocol (New Improved LEACH)," Journal of Sensors & Transducers ,Volume 130, Issue 7, Pages 142-154, July 2011.

67.**Muneer Bani Yassein,** Saher S. Manaseer and Ahmad A. Momani," Adaptive Backoff Algorithm for Wireless Internet," International Journal of Emerging Technologies in Web Intelligence, Volume 4, Issue 2, Pages 155-163,   2012.

68.Yaser Khamayseh, **Muneer Bani Yassein**, Iman I. Badran, Wail Mardini, "An Adaptive Backoff Algorithm for Mobile Ad-Hoc Networks," International Journal of Mobile Computing and Multimedia Communications, Volume 3, Issue 3, Pages 1-19, 2011.

69.Wail Mardini, Yaser Khamayseh, **Muneer Bani Yassein** and Ghadeer Obiedat, "Survey of Latest WiMAX Technologies and Techniques ", International Review on Computers and Software (I.RE.CO.S.), Volume 6, Issue 4, Pages 586-602, 2011, USA.

70.Wail Mardini, **Muneer Bani Yassein**, Zainab AbuTaye',"A New Backoff Algorithmfor IEEE 802.11 DCF MAC Protocol in Mobile Ad hoc Networks," Journal of Ubiquitous Computing and Communication, Volume 6, Issue 3, Pages 907-916, 2011.

70.Yaser khamayseh, Ruba Al-Salah, and **Muneer Bani Yassein,"**Malicious Nodes Detection in MANETs: Behavioral Analysis Approach," Journal of Networks, Volume 7, Issue 1, Pages 116-125, 2012. Finland

71.Yaser Khamayseh, Abdulraheem Bader, Wail Mardini, **Muneer Bani Yassein**"A New Protocol for Detecting Black Hole Nodes in Ad Hoc Networks",International Journal of Communication Networks and Information Security, Volume 3, issue 1, (2011).

72.Yaser Khamayseh, Ghadeer Obiedat, **Muneer Bani Yassein**, "Mobility and Load aware Routing protocol for ad hoc networks", Journal of King Saud University – Computer and Information Sciences , Volume 23, issue 2, Pages 105–113, 2011.
78.**Muneer Bani Yassein**, A. Al-zoubi , Y. Khamayseh and W. Mardini, "Improvement on LEACH Protocol of Wireless Sensor Network (VLEACH)" , International Journal of Digital Content Technology and its Applications (JDCTA), Vol. 3, No. 2, June 2009.

79. **Muneer Bani Yassein** and M. Ould-Khaoua, "Applications of Probabilistic Flooding in MANETs", International Journal of Ubiquitous Computing and Communication volume 1(1), pages 1-5, ISSN 1992-8424, January 2007.

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80. **Muneer Bani Yassein**, M. Ould-Khaoua, L. M. Mackenzie and S. Papanastasiou, "Performance Analysis of Adjusted Probabilistic Broadcasting in Mobile Ad Hoc Networks", International Journal of Wireless Information Networks", Pages 1-14, Springer Netherlands, Mar 2006.

Conference Papers

1. **Muneer Bani Yassein**, Shadi Aljawarneh, Esra'a Masa'deh, Baraq Ghaleb, Raja'a Masa'deh," A New Dynamic Trickle algorithm for Low Power and Lossy Networks",International Conference on Engineering & MIS (ICEMIS), 22-24 Sept. 2016, Morocco

2. **Muneer Bani Yassein**, Mohammed Shatnawi, Doa AlZoubi," Application layer protocols for the Internet of Things: A survey", International Conference on Engineering & MIS (ICEMIS), 22-24 Sept. 2016, Morocco.

3. **Muneer Bani Yassein**, Wail Mardini, Ashwaq Khalil," Smart Homes Automation using Z-wave Protocol", IEEE International Conference on Internet of Things and Pervasive Systems, 22-24 September 2016, Agadir, Morocco.

4. **Muneer Bani Yassein,** Yarub Wahsheh," HQTP v.2 : Holy Quran Transfer Protocol version 2", IEEE International Conference on Computer Science and Information Technology (CSIT 2016), July, 2016, Amman-Jordan.

5. **Muneer Bani Yassein**, Qusai Abuein, Ahmad Bani Amer, Mamoun Qasem," An Energy-efficient Technique for Constrained Application Protocol of Internet of Things", IEEE International Conference on Internet of Things and Pervasive Systems, At 22-24 September 2016, Agadir, Morocco.

6. Mohamed Eshaftri, Ahmed Al-Dubai, Imed Romdhani, **Muneer Bani Yassein**, "An Efficient Dynamic Load-balancing Aware Protocol for Wireless Sensor Networks", 13th ACM International Conference on Advances in Mobile Computing & Multimedia, 11 - 13 December 2015, Brussels, Belgium.

7. Mohammad Hamdan, **Muneer Bani Yassein,** Hisham Shehadeh, "Multi-objective Optimization Modeling of Interference in Home Health Care Sensors", 11th IEEE International Conference on Innovations in Information Technology (IIT'15), November 01-03, 2015, Dubai, UAE.

8. Dragana Krstić, Imed Romdhani, **Muneer Bani Yassein**, Minić Siniša, Petković · Goran, Milačić Predrag, "Level Crossing Rate of Ratio of Product of Two k-m Random Variables and Nakagami-m Random Variable", 14th IEEE International Conference on Ubiquitous Computing and Communications (IUCC-2015), 26-28 October 2015, Liverpool, UK.

9. Mamoun Qasem, Ahmed Al-Dubai, Imed Romdhani, and **Muneer Bani Yassien**, (2015) A dynamic power tuning for the constrained application protocol of Internet of Things. In: 14th IEEE International Conference on Ubiquitous Computing and Communications (IUCC-2015), 26-28 October 2015, Liverpool, UK.

10. Mohamed Eshaftri, Ahmed Al-Dubai, Romdhani, Imed and **Muneer Bani Yassien**, (2015) A new energy efficient cluster based protocol for wireless sensor networks. In: 4th International Conference on Wireless Sensor Networks (WSN'15), 13-16 September 2015, Lodz, Poland.

11. **Muneer Bani-Yassein**, Mohamed Al-Maolegi, Yaser Khamayseh, Dragana Krstic, Shadi Aljawarneh, " Intelligent Transportation System for Crowded Streets Using Short Range Wireless Technologies", 15th International Conference on Applied Computer Science (ACS '15 22-24 May 2015,Turkey.

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PROFESSOR OF COMPUTER SCIENCE

12. **Muneer Bani Yassein,** Ahmed Al-Dubai, "Inspired Counter Based Broadcasting in Dynamic Source Routing Protocol", 14th IEEE International Conference on Ubiquitous Computing and Communications (IUCC-2015), At Liverpool, England, UK, 26-28 October 2015.

13. Hussein Altwassi, Mamoun Qasem**, Muneer Bani Yassein**, and Ahmed Al-Dubai, Performance evaluation of RPL objective functions. In International Workshop on Internet of Things and Smart Spaces (IoT-Smart-2015): Applications, Challenges and Future Trends in conjunction with the 14th IEEE International Conference on Ubiquitous Computing and Communications （IUCC 2015), 26-28 October 2015, Liverpool, UK.

14. Aleksic Danijela, Dragana Krstic, Vučić Nikola, **Muneer Bani Yassein**, Zwierzykowski Piotr,Level Crossing Rate of System with Macrodiversity and Three Branches Microdiversity Reception in Gamma Shadowed Rician Fading Channels, The Eleventh International Conference on Wireless and Mobile Communications, ICWMC 2015,St. Julians, Malta,11-16 October 2015.

15. Mamoun Qasem, Ahmed Al-Dubai, Imed Romdhani, and **Muneer Bani Yassein**
    "adaptive tuning protocol for service discovery in Internet of Things". In The International Conference on Engineering & MIS 2015, 24-16 September 2015, Istanbul, Turkey.

16. Dragana Krstic, Marjanovic Ivica , Zdravkovic, Srboljub ; Veljkovic, Stanislav ; Muneer Bani Yassein, "Moments of macrodiversity SC receiver output signal with two microdiversity EGC receivers with three branches over rayleigh multipath fading environment", 2015 IEEE International Conference on Applied Electronics (AE), 2015, Pilsen, Czech Republic,8-9 Sept. 2015.

17. Srdjan Maričić Dragana Krstic, Suad suljovic, Mihajlo Stefanovic, **Muneer Bani Yassein**, Level Crossing Rate of SC Receiver over Gamma Shadowed Rician Multipath Fading Environment, International Conference on Recent Advances in Computational Mathematics, at December 28-29,2014, Geneva.

18. Kholoud Alsmearat, Mahmoud Al-Ayyoub**, Muneer Bani Yassein,** A New Broadcast Scheme for Sensor Networks,I n Proceedings of 11th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA' 2014)November 10-13, 2014, Doha, Qatar.

19. **Muneer Bani Yassein,**Yaser Khamayseh, Maged Refat Fakirah, Ghassan Ali Mohsen,Optimization in Backoff Technique for IEEE 802.15.4/ ZigBee Networks,In proceeding of: The Tenth International Conference on Wireless and Mobile Communications, At June 22 - 26, 2014 - Seville, Spain

20. **Muneer Bani Yassein,**Yaser Khamayseh, Bahaa Nawafleh, Improved AODV Protocol to Detect and Avoid Black Hole Nodes in MANETs, The Sixth International Conference on Future Computational Technologies, At May 25 - 29, 2014 - Venice, Italy

21. **Muneer Bani Yassein,** Yaser khamayseh, Yazen Rababeh, Dynamic Distance-Based Broadcast Scheme for Mobile Ad Hoc Networks, In proceeding of: 10th Annual International Conference on Information Technology & Computer Science 19-22 May 2014, Athens, Greece, At Athens, Greece.

22. **Muneer Bani Yassein,** Khaleda Obeidat, Feda'a Jumah, Marwa Ta'ani, Language Development Application for Deaf Children,In proceeding of: The Second Jordanian Student Conference on Communication, Technology, and Management (JITB2014)., At Princess Sumaya University for Technology,17-18 May 2014 Amman, Jordan.

23. **Muneer Bani Yassein,** Doha Tawaha, Smart Money Reader for the Blind and Visually Impaired,In proceeding of: Sixth Annual Undergraduate Research Conference on Applied Computing Zayed University Dubai, UAE April 30 - May 1, 2014 The, At Zayed University Dubai, UAE April 30 - May 1, 2014.

24. **Muneer Bani Yassein,** Maryan Yatim, Marwa Salaymeh, Yaser Khamayseh, Wail Mardini: Optimal Personal Area Network Coordinator Placement in Grid Topology. Proceeding of the 10th International Conference on Mobile Web Information Systems, MobiWIS 2013: 260-273, Cyprus, 2013

25. Marwa Salayma, Wail Mardini, Yaser Khamayseh, and **Muneer Bani Yassein**. " Optimal Beacon and Super frame Orders in WSNs", in Proc. of the Fifth International Conference on Future Computational Technologies and Applications, FUTURE COMPUTING 2013, Spain, May 27 -June 1, 2013,

26. Marwa Salayma, Wail Mardini, Yaser Khamayseh, and **Muneer Bani Yassein**. "IEEE802.15.4 Performance in Various WSNs Applications", in Proc. of the Seventh International Conference on Sensor Technologies and Applications, SENSORCOMM 2013, 2013, Barcelona, Spain.

27. **Muneer Bani Yassein**, Constandinos X. Mavromoustakis and Demetris Posnakides, " On the Performance Evaluation of the Rate-Adaptive ALOHA Scheme in Wireless Ad Hoc Networks", Proceeding of the 4th International Conference on Information and Communication Systems, iCICS 2013, Irbid, Jordan.

28. **Muneer Bani Yassein,** B. Abed Al-Hameed, Constandinos X. Mavromoustakis: Adaptive Counter-Based Broadcasting Scheme in Mobile Ad hoc Networks, Proceeding of the 15-th ACM MSWiM 2012, HP-MOSys, 1-st ACM Workshop on High Performance Mobile Opportunistic Systems (HP-MOSys 2012), pages 47-52, Paphos, Cyprus, 2012.

29. Marios C. Charalambous**,** Constandinos Mavromoustakis and **Muneer Bani Yassein,** "A Resource Intensive Traffic-Aware Scheme for Cluster-based Energy Conservation in WirelessDevices ",Proceeding of the 14th IEEE International Conference on High Performance Computing and Communications (HPCC-2012) June25-27, 2012, Liverpool.

30. **Muneer Bani Yassein**; Alaa N. Alslaity and Ismail M. Ababneh**, ,** "Performance Evolutions of Velocity Aware Routing Protocol for Mobile Ad hoc Networks ", Proceeding of the Sixth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies(UBICOMM 2012, September 23-28, 2012 - Barcelona, Spain.

31. **Muneer Bani Yassein, Wail Mardini, Zainab AbuTaye**, "Thresholds Determination for new Backoff Algorithm in MANETs". Proceeding of the Seventh International Conference on Wireless and Mobile Communications (ICWMC 2011), June 19-24, 2011, Luxembourg.

32. **Muneer Bani Yassein,** Mohammed A. Alomari, "Pessimistic Fibonacci Back-off Algorithm in MANETs". Proceeding of Mosharaka International Conference on Wireless Communications and Mobile Computing (MIC-WCMC2011), June 3-5, 2011, Istanbul, Turkey.

33. Saher Manaseer, **Muneer Bani Yassein** and Ahamed Momani"A Comparison of Different Backoff Algorithms in Mobile Ad Hoc Networks". Proceeding of the 2nd International Conference on Information & Communication Systems (iCiCS'11), May 22-24, 2011, Irbid, Jordan.

34. **Muneer Bani Yassein, Lina Abu-Fadaleh**, "New Probabilistic-Based Broadcasting Algorithm for Mobile Ad Hoc Networks". Proceeding of the sixth International Conference on Internet Monitoring and Protection (ICIMP 2011), March 20-25, 2011, St. Maarten, The Netherlands Antilles.

35. **Muneer Bani Yassein,** S. Al-Rushdan, Wail Mardini, Yaser Khamayseh,"**Performance of Probabilistic Broadcasting of Dynamic Source Routing Protocol**".The Fourth International Conference on Communication Theory, Reliability, and Quality of Service (CTRQ 2011) April 17-22, 2011 - Budapest, Hungary.

36. **Muneer Bani Yassein,** N. Hijazi. "**Improvement on Cluster Based Routing Protocol By using Vice Cluster Head**", Proceeding of the International-Conference-and-Exhibition-on-Next-Generation-Mobile-Applications,-Services,-and-Technologies-(NGMAST 2010),(Supported by *The IEEE* United Kingdom*& Republic of Ireland Section Computer Chapter),*27-29 July 2010, Amman-Jordan.

37. **Muneer Bani Yassein**, Osama Al oqaily, Geyong Min, Wail Mardini, **Yaser Khamayseh**, Saher S. Manaseer. "**Enhanced Fibonacci Backoff Algorithm for Mobile Ad-Hoc Network**".Proceeding ofthe 10th IEEE International Conference on Computer and Information Technology (CIT2010), 29 June – 01 July, 2010, Bradford, UK. Page 749-754.

38. **Muneer Bani Yassein**, Sanabel Nimer, Ahmad AL-Dubai. "**The Effects of Network Density of a New Counter-based Broadcasting Scheme in** Mobile Ad Hoc Networks". Proceeding ofthe10th IEEE International Conference on Computer and Information Technology (CIT2010), 29 June
– 01 July, 2010, Bradford, UK

39. **Muneer Bani Yassein**, Asmahan Abu Al-hassan , Zainab Abu Taye', "Performance Analysis**of the
Effects of Network Density and Network Mobility on Velocity-based Scheme in Mobile Ad hoc Network**",
Proceeding of The 7th International Multi-Conference on Systems, Signals and Devices (SSD'10) ,27-29 June 2010, Amman-Jordan.

40. **Muneer Bani Yassein**, Saher Manaseer, Asmahan Abu al-hassan, Zeinab Abu Taye, A. Y. Al-Dubai. "**A New Probabilistic Linear Exponential Backoff Scheme for MANETs**", in Proceeding the 24th Int. Parallel and Distributed Processing Symposium (IEEE/ACM-IPDPS', Atlanta, USA, April 19-23, 2010.

41. **Muneer Bani Yassein**, R. Al Sha'bani, and S. Manaseer, "Performance Evolution of Easy-Exponential Backoff Algorithm in a Mobile Ad hoc Network (MANET)", The third Mosharaka International Conference on Communications, Signals and Coding (MIC-CSC2009)., Amman, Jordan (November 19-21, 2009).

42. Yaser Khamayseh, Wail Mardini, **Muneer Bani Yassein**:" Performance evaluation of different minimum spanning trees schemes for scheduling in WMNS. IADIS AC 2009:160-164.

43. **Muneer Bani Yassein**, H. Sencal and M. Al-Nawashi, "Comparison between multi probabilistic schemes in MANETs using different parameters", The third Mosharaka International Conference on Communications, Computers and Applications (MIC-CCA2009), Amman, Jordan (October 26-28, 2009).

44. **Muneer Bani Yassein**, N. Hijazi, Z. Jaradat, "Lower Energy Adaptive Clustering a Hierarchy
Using N-Vice Cluster Head", the third Mosharaka International Conference on Communications, Computers and Applications (MIC-CCA2009), Amman, Jordan (October 26-28, 2009).

45. **Muneer Bani Yassein**, Saher S. Manaseer and Abdallh .Al-Turani, "A Performance Probabilistic Broadcasting of Ad hoc Distance vector(AODV) using Fibonacci Increment
Backoff Algorithm" , 25th UK Performance Engineering Workshop, Leeds, UK , July, 6-7, 2009.

46. **Muneer Bani Yassein**, Mohammad Al-Rousan: "Data Delivery in Mobile Ad Hoc Networks Using Artificial Intelligent" , ICWN'09 - The 2009 International Conference on Wireless Networks, Monte Carlo Resort, Las Vegas, Nevada, USA (July 13-16, 2009).ICWN 2009: Pages 401-407.

47. **Muneer Bani Yassein** and Saher S. Manaseer, "Pessimistic Backoff for Mobile Ad hoc Networks", The 4th International Conference on Information Technology, ICIT 2009, AL-Zaytoonah University of Jordan, June 3 – 5, 2009 .

48. **Muneer Bani Yassein** and M. Bani Khalaf, "Performance Evolution of Multiple Probabilities of Ad-hoc On Demand" , The 4th International Conference on Information Technology, ICIT
2009, AL-Zaytoonah University of Jordan, June 3 – 5, 2009 .

49. **Muneer Bani Yassein** and A. Al-Dubai and M. Ould Khaoua and O. Al-Jarrah, "New Adaptive Counter Based Broadcast Using Neighborhood Information in MANETS," Proceeding of the 23rd IEEE International Parallel & Distributed Processing Symposium, Rome, Italy, May 25-29, 2009.

50. **Muneer Bani Yassein** and M. Bani Khalaf " A Performance Comparison of Smart Probabilistic Broadcasting of Ad hoc Distance vector (AODV) " Proceeding of the IEEE International conference on Communications, Propagation and Electronics, MIC-CPE 2009, Amman, Jordan, February 6-8, 2009.

51. **Muneer Bani Yassein**, M. Ould-Khaoua, L. M. Mackenzie and S. Papanastasiou, "Performance Analysis of Adjusted Probabilistic Broadcasting in Mobile Ad Hoc Networks" , International Journal of Wireless Information Networks, Pages 1-14, Springer Netherlands, Mar 2006.

52. **Muneer Bani Yassein**, M. Ould Khaoua, L. M. Mackenzie , and S. Papanastasiou, "Applications of Highly Adjusted Probabilistic Broadcasting in MANETS", Proceedings of the 4th International Multiconference on Computer Science and Information Technology CSIT 2006, Amman, Jordan, pp 469-476 , 5-7 April 2006.

53. **Muneer Bani Yassein**, M. Ould-Khaoua, L.M. Mackenzie, and S. Papanastasiou, "Applications of performance evaluation of adjusted probabilistic broadcasting in MANETs", The 2nd IEEE International Symposium on Dependable, Autonomic and Secure Computing (DASC'06), Indiana University, Purdue University, Indianapolis, USA, pages 245-249, October 2006.

54. **Muneer Bani Yassein**, M. Ould-Khaoua, L. M. Mackenzie, S. Papanastasiou and A. Jamal, "Improving route discovery in on-demand routing protocols using local topology information in MANETs", Proceedings of the Ninth ACM/IEEE International Symposium on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWIM 06), pages 95-99, October 2006.

55. J. Abdulai, M. Ould-Khaoua, L.M. Mackenzie and **M. Bani-Yassein**, "Efficient forwarding probability for on-demand probabilistic route discovery in MANETs", Proceedings of 22nd UK Performance Engineering Workshop (UKPEW 2006) pages 9-15, July 2006.

56. J. Abdulai, M. Ould-Khaoua, L.M. Mackenzie and **M. Bani-Yassein**, "On the forwarding probability for on-demand probabilistic route discovery in MANETs", Proceedings of 7th Annual PostGraduate Symposium on The Convergence of Telecommunications, Networking and Broadcasting (PGNet 2006), pages 120 - 125, June 2006.

57. **Muneer Bani Yassein**, M. Ould Khaoua, L. M. Mackenzie and S. Papanastasiou , "The Highly Adjusted Probabilistic Broadcasting in Mobile Ad hoc Networks", Proceedings of the 6th Annual PostGraduate Symposium on the Convergence of Telecommunications, Networking & Broadcasting, (PGNET 2005), Liverpool John Moores University, UK, 27-28 June 2005, ISBN 1-902-56011-6.

58. **Muneer Bani Yassein**, M. Ould-Khaoua, L. M. Mackenzie, S. Papanastasiou, "Improving the Performance of Probabilistic Flooding in MANETs", Proceedings of International Workshop
    on Wireless Ad-hoc Networks (IWWAN-2005), Waterloo campus of King's College, London, United Kingdom, 23 - 26 May 2005.

59. **Muneer Bani Yassein**, M. Ould-Khaoua, S. Papanastasiou**,** Performance Evaluation of "Flooding in MANETs in the Presence of Multi-Broadcast Traffic", in the Proc. International Workshop on Performance Modeling and Analysis of Communication in Parallel, Distributed,
    and Grid Networks (PMAC-PDG05) in conjunction with 11th International Conference on Parallel and Distributed Systems (ICPADS'2005), IEEE Computer Society Press, 20 - 22 July 2005.

60. **Muneer Bani Yassein**, M. Ould-Khaoua S. Papanastasiou, A.Al- Ayyoub**,** Analysis of "Density effect in Probabilistic Flooding in MANETs" , 5thInternational Conference on Information Technology ACIT'2004, Constantine, Algeria, vol 1,pp 108-117, December 12-15,2004.

61. **Muneer Bani Yassein**, M. Ould-Khaoua S. Papanastasiou, A.Al- Ayyoub, "On the Effect of Mobilityand Density on Probabilistic Flooding in MANETs", Proc. INT. Working Conference on Performance Modeling and Evaluation of Heterogeneous Networks (HET-NETs '04) , British Computer Society (BCS),IEE, Ilkley, West Yorkshire, U.K, pp. 63/1-63/9, 26th - 28th July, 2004.

62. **Muneer Bani Yassein**, S. Papanastasiou, M. Ould-Khaoua**,** "Performance Analysis of Probabilistic Flooding in MANETs", Proc. 20th annual UK Performance Engineering Workshop (UKPEW '04). University of Bradford, pp200-209, July 7-9, 2004.

63. **Muneer Bani Yassein**, A. DalalÂ'ah, I. Ababneh, M. Ould Khaoua**,** "Equivalent bandwidth allocation for QoS in ATM networks", Proc. 19th UK Performance Engineering Workshop
    (UKPEWÂ' 2003), University of Warwick, pp319-329, July 7-9, 2003.

Book chapters
_____

1. Salayma, M., Al-Dubai, A., Romdhani, I. & **Yassein, M**. B. (2016). BARBEI: a new adaptive battery aware and reliable beacon enabled technique for IEEE802.15.4 MAC. In Grzenda, M., Furtak, J., Legierski, J. & Awad, A. I. (Eds.). Advances in Networking Systems Architectures, Security, and Applications. Springer.

2. Mohamed Eshaftri, Ahmed Al-Dubai, Imed Romdhani, **Muneer Bani Yassein**, A New Energy Efficient Rotation Scheme for Wireless Sensor Networks. In Grzenda, M., Furtak, J., Legierski, J. & Awad, A. I. (Eds.). Advances in Networking Systems Architectures, Security, and Applications. Springer.

3. Mohammad Hamdan, **Muneer Bani Yassein**, Hisham Shehadeh, Multi-objective Optimization Modeling for the Impacts of 2.4-GHz ISM band Interference on IEEE 802.15.4 Health Sensors, In book: Information Innovation Technology in Smart Cities, Chapter: Notification Book Chapter Title: Multi-objective Optimization Modeling for the Impacts of 2.4-GHz ISM band Interference on IEEE 802.15.4 Health Sensors, Publisher: springer, Editors: Prof. Leila Ismail, Prof. Liren Zhang

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Professional services
_____

- **EDITORIAL BOARDS**
  - **Technical Paper Reviews**

- International Journal of Future Generation Communication and Networking.
- IEEE TRANSACTIONS ON COMPUTERS, VOL. 65, NO. 1, JANUARY 2016, Journal
- IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS, VOL. 26, NO. 1, JANUARY 2015.
- IEEE Transactions on Big Data,International Journal of Future Generation Communication and Networking

Committee membership
_____

1. The 10th International Conference on Security and its Applications (CNSA 2017)
2. The IEEE International Symposium on Recent Advances of Computer and Information Technologies(RACIT 2017)
3. 14th IEEE International Conference on Computer and Information Technology (CIT 2017)
4. The Tenth International Conference on Internet Monitoring and Protection, ICIMP 2015 June 21 - 26, 2015 - Brussels, Belgium.
5. The Ninth International Conference on Advanced Engineering Computing and Applications in Sciences,, ADVCOMP 2015, July 19 - 24, 2015 - Nice, France.
6. The Eleventh International Conference on Wireless and Mobile Communications ICWMC 2015, October 11 - 16, 2015 - St. Julians, Malta
7. 16th IEEE International Conference on High Performance and Communications,HPCC-2014, Paris, France Augest 20-22,2014
8. The Tenth International Conference on Wireless and Mobile Communications, ICWMC 2014, June 22 - 26, 2014 - Seville, Spain
9. The Ninth International Conference on Internet Monitoring and Protection, ICIMP 2014, July 20 - 24, 2014 - Paris, France
10. .The Tenth International Conference on Wireless and Mobile Communications, ICWMC 2013 , July 21 - 26, 2013 - Nice, France.
11. .The Eighth International Conference on Internet Monitoring and Protection, ICIMP 2013, June 23 - 28, 2013 - Rome, Italy
12. 2nd High performance Mobile Opportunistic Systems November 3-8 2013, Barcelona, Spain
13. The Third International Conference on Technical and Legal Aspects of the e-Society CYBERLAWS 2012, January 30 - February 4, 2012 - Valencia, Spain
14. The Seventh International Conference on Internet Monitoring and Protection, ICIMP 2012, May 27 - June 1, 2012 - Stuttgart, Germany
15. The Tenth International Conference on Wireless and Mobile Communications, ICWMC 2012, June 24-29, 2012 - Venice, Italy
16. The 2nd International Conference on Information & Communication Systems (iCiCS'11), May 22-24, 2011, Jordan.
17. The Sixth International Conference on Internet Monitoring and Protection ICIMP2011, March 20-25, 2011 - St. Maarten, The Netherlands Antilles.
18. The 4th International Conference on Network and System Security (NSS 2010), September 1-3, 2010 in Melbourne, Australia
19. The 3rd IEEE International Symposium on Trust, Security and Privacy for EmergingApplications (IEEE TSP-09), Bradford, UK, June 29-July 1, 2010, in conjunction with the 10th IEEE International Conference on Computer and Information Technology (IEEE CIT-10), 2010.
20. The Fifth International Conference on Internet Monitoring and Protection ICIMP2010, May 9 - 15, 2010 - Barcelona, Spain

21. The 9th IEEE/ACM International Workshop on Performance Modeling, Evaluation, and Optimization of Ubiquitous Computing and Networked Systems (PMEO-UCNS'2010), to be held in conjunction with IPDPS 2010, ATLANTA (Georgia) USA, April 19-23, 2010.
22. The 9th International Workshop on Performance Modeling, Evaluation, and Optimization of Ubiquitous Computing and Networked Systems (PMEO-UCNS 2010), to be held in conjunction with IEEE-IPDPS'10, April 19-23, 2010, Atlanta, USA.
23. Second International Workshop on Electronic Systems and Applications in conjunction with Third International Conference on New Technologies, Mobility and Security 2009 (NTMS 2009)
24. 4th International Workshop on Performance Analysis and Enhancement of WirelessNetworks (PAEWN'09), held in conjunction with AINA 2009 supported by IEEEComputer Society University of Bradford, Bradford, UK, May 26-29, 2009
25. Fourth International Conference on Internet Monitoring and Protection, ICIMP 2009, May 24-28, 2009 - Venice, Italy.
26. 2nd International Conference on New Technologies, Mobility and Security, IEEE Communications Society, November 5 - 7, 2008, Tangier - Morocco
27. 3rd International Workshop on Performance Analysis and Enhancement of Wireless Networks (PAEWN'08), to be held in conjunction with the IEEE 22nd International Conference on Advanced Information Networking and Applications (AINA'2008), March 25-28, 2008, in GinoWan, Okinawa, Japan
28. International Conference on High Performance Computing andCommunications, (HPCC-07).
29. International Workshop on Performance Modeling and Evaluation in Computer and Telecommunication Networks (PMECT07) in conjunction with ICCCN2007. Aug. 13 - 15, 2007, Honolulu, Hawaii
30. Second International Conference on Internet Monitoring and Protection, July 1-6, 2007 - Silicon Valley, USA.
31. International Workshop on Performance Analysis and Enhancement of Wireless Networks (PAEWN'07), t IEEE-AINA'07. Niagara Falls, Canada, May 21-23, 2007
32. International Conference on New Technologies, Mobility and Security, from 2 to 4 May, 2007 in TELECOM PARIS, FRANCE. NTMS'2007 conference is technically co-sponsored by IFIP and IEEE France
33. Proceeding of The 2nd International Conference on Information & Communication Systems (iCiCS'11), May 22-24, 2011,Irbid , Jordan.
34. International Conference on High Performance Computing and Communications (HPCC-06), Munich, Germany from Wednesday September 13th to Friday September 15th, 2006
35. International Workshop on Performance Analysis and Enhancement of Wireless Networks
36. (PAEWN06) in conjunction with AINA 2006 supported by IEEE Computer Society April 18 (Tue.) - April 20 (Thu.), 2006, ViennaUniversity of Technology, Vienna, Austria.
37. International Conference on High Performance Computing and Communications, HPCC-05) in Sorrento (Naples), ITALY, September 21-23, 2005

List of Conferences and Journals my articles appeared in:

1. Future Generation Computer Systems, 2014.Volume 39: pages 16-28 (2014), Elsevier Journal.
2. Journal of Information Communication and Technology Education (IJICTE) has been ACCEPTEDfor publication in Issue #40 (Vol 10 Nr 4) scheduled for Oct-Dec 2014 (publication date approximately October 2014).
3. International Journal "Network Protocols and Algorithms" (ISSN:1943-3581).Volume 5 Issue 3, Pages 136-152, November, 2013.
4. International Journal   of Communications and Network, Volume, 5, Pages 353-359, 2013
5. International Journal   of Mobile Computing and Multimedia, Volume 5 Issue 3,Pages 68-87, July   2013.
6. International Journal of Advanced Computer Science and Applications.Volume 4, Issue,3, Pages: 104-109,2013
7. International Journal of Cloud Applications and Computing (IJCAC))., Volume: 3, Issue: 1 Pages: 27-33, 2013. Page 17 of 24 Sensors & Transducers Journal,Volume 145 , Number 10 , Pages 172 - 183, 2012.
8. International Journal of Computer Applications , Volume 49, Number 6, Pages 10-15, 2012

9. International Journal on Advances in Networks and Services, Volume 5, Number 1 & 2, Pages 78 - 90, 2012.
10. International   Journal of Information Science, Volume 38, Number 4, Pages 350-365, 2012
11. Journal of Simulation Modelling Practice and Theory, Volume 19, Number 1, Pages 553-563, 2011, Elsevier Journal.
12. International Journal of Supercomputing, Volume 53, Number 1, Pages 196-211, 2010, Springer.
13. Journal of Sensors & Transducers ,Volume 130, Number 7, Pages 142-154, July 2011.
14. Journal of Emerging Technologies in Web Intelligence,2011.
15. International Journal of Mobile Computing and Multimedia Communications, Volume 3, Number 3, Pages 1-19, 2011.
16. International Review on Computers and Software (I.RE.CO.S.), Volume 6, Number 4, Pages XX-XX, 2011.
17. Journal of Ubiquitous Computing and Communication, Volume 6, Number 3, Pages 907-916, 2011.
18. Journal of Networks 2012.
19. International Journal of Communication Networks and Information Security, Volume 3, issue 1, (2011).
20. Journal of King Saud University – Computer and Information Sciences , Volume 23, issue 2, Pages 105–113, 2011
21. International Journal of Digital Content Technology and its Applications (JDCTA), Vol. 3, No. 2, June 2009.
22. International Journal of Ubiquitous Computing and Communication volume 1(1),   pages 1-5, ISSN 1992-8424, January 2007.
23. International Journal of Wireless Information Networks", Pages 1-14, Springer
24. Netherlands, Mar 2006.
25. Proceeding of the Seventh International Conference on Wireless and Mobile
26. Communications (ICWMC 2011), June 19-24, 2011, Luxembourg. Page 18 of 24
27. Proceeding of Mosharaka International Conference on Wireless Communications and Mobile Computing (MIC-WCMC2011), June 3-5, 2011, Istanbul – Turkey.
28. International Workshop on Performance Analysis and Enhancement of Wireless Networks (PAEWN'07), t IEEE-AINA'07. Niagara Falls, Canada, May 21-23, 2007.
29. Proceeding of the sixth International Conference on Internet Monitoring and Protection (ICIMP 2011), March 20-25, 2011, St. Maarten, The Netherlands Antilles.
30. The Fourth International Conference on Communication Theory, Reliability, and Quality of Service (CTRQ 2011) April 17-22, 2011 - Budapest, Hungary.
31. Proceeding of the International-Conference-and-Exhibition-on-Next-Generation-Mobile-Applications,-Services,-and-Technologies-(NGMAST 2010),(Supported by The IEEE United Kingdom & Republic of Ireland Section Computer Chapter),27-29 July 2010, Amman-Jordan.
32. Proceeding ofthe 10th IEEE International Conference on Computer and Information Technology (CIT2010),29 June – 01 July, 2010, Bradford, UK. Page 749-754.

33. Proceeding of The 7th International Multi-Conference on Systems, Signals and Devices (SSD'10) ,27-29 June 2010, Amman-Jordan.
34. Proceeding of the PMEO-UCNS'2010 (Supported by IEEE Computer Society in cooperation with ACM SIGARCH), April 19-23, 2010, Atlanta, USA.
35. Processing Symposium (IEEE/ACM-IPDPS', Atlanta, USA, April 19-23, 2010.
36. The third Mosharaka International Conference on Communications, Signals and Coding (MIC-CSC2009)., Amman, Jordan (November 19-21, 2009).
37. Performance evaluation of different minimum spanning trees schemes for scheduling in WMNS. IADIS AC 2009:160-164.
38. The third Mosharaka International Conference on Communications, Computers and Applications (MIC-CCA2009), Amman, Jordan (October 26-28, 2009).
39. 25th UK Performance Engineering Workshop, Leeds, UK , July, 6-7, 2009.
40. ICWN'09 - The 2009 International Conference on Wireless Networks, Monte Carlo Resort, Las Vegas, Nevada, USA (July 13-16, 2009).ICWN 2009: Pages 401-407.
41. The 4th International Conference on Information Technology, ICIT 2009, AL-Zaytoonah University of Jordan, June 3 – 5, 2009 .Page 19 of 24

PROF. MUNEER BANI YASSEIN
PROFESSOR OF COMPUTER SCIENCE

42. Proceeding of the 23rd IEEE International Parallel & Distributed Processing Symposium, Rome, Italy, May 25-29, 2009.
43. Proceeding of the IEEE International conference on Communications, Propagation and Electronics, MIC-CPE 2009, Amman, Jordan, February 6-8, 2009.
44. Performance Analysis of Adjusted Probabilistic Broadcasting in Mobile Ad Hoc Networks , International Journal of Wireless Information Networks, Pages 1-14, Springer Netherlands, Mar 2006.
45. Proceedings of the 4th International Multiconference on Computer Science and Information Technology CSIT 2006, Amman, Jordan, Pages469-476 , 5-7 April 2006.
46. The 2nd IEEE International Symposium on Dependable, Autonomic and Secure Computing (DASC'06), Indiana University, Purdue University, Indianapolis, USA, pages 245-249, October 2006.
47. Proceedings of the Ninth ACM/IEEE International Symposium on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWIM 06), pages 95-99, October 2006.
48. Proceedings of 22nd UK Performance Engineering Workshop (UKPEW 2006) pages 9-15, July 2006
49. Proceedingsof 7th Annual PostGraduate Symposium on The Convergence of Telecommunications, Networking and Broadcasting (PGNet 2006), pages 120-125, June 2006.
50. Proceedings of 11th International CSI Computer Conference, CSICC 2006, School of Computer Science, IPM, Tehran, Iran January 24-26, 2006.
51. Proceedings of the 6th Annual PostGraduate Symposium on the Convergence of Telecommunications, Networking & Broadcasting, (PGNET 2005), Liverpool John Moores University, UK, 27-28 June 2005, ISBN 1-902-56011-6.
52. Proceedings of International Workshop on Wireless Ad-hoc Networks (IWWAN-2005), Waterloo campus of King's College, London, United Kingdom, 23 - 26 May 2005.
53. Proceedings of International Workshop on Performance Modeling and Analysis of Communication in Parallel, Distributed, and Grid Networks (PMAC-PDG05) in conjunction with 11th International Conference on Parallel and Distributed Systems (ICPADS'2005), IEEE Computer Society Press, 20 - 22 July 2005.
54. Proceedings of 5th International Conference on Information Technology ACIT'2004, Constantine, Algeria, vol 1,pp 108-117, December 12-15,2004.
55. Proceedings of International of Working Conference on Performance Modeling and Evaluation of Heterogeneous Networks (HET-NETs '04) , British Computer Society (BCS),IEE, Ilkley, West Yorkshire, U.K, pp. 63/1-63/9, 26th - 28th July, 2004.
56. Proceedings of Internationalof 20th annual UK Performance Engineering Workshop (UKPEW '04). University of Bradford, pp200-209, July 7-9, 2004.

57. Proceedings of International of 19th UK Performance Engineering Workshop (UKPEWÂ'2003), University of Warwick, pp319-329, July 7-9, 2003.

Graduate Students and Teaching Experience

o **MASTER THESIS SUPERVISED (PRINCEPLE SUPERVISOR)**:

1. **Mustafa Ahmad Bani Khalaf, in May,2009**
   - "Smart Probabilistic Broadcasting in Mobile Ad hoc Networks**"**
2. **Sanabel Fathi Nimer, in December,2009**
   - "A New Counter-Based Broadcasting Scheme in Mobile Ad hoc Networks"
3. **Ghader Nthem Obeidat, in 2009**
   - "Mobility and Load Aware Routing Protocol for Ad hoc Networks".
4. **Sana'a Abd Al-Ra'oof AL-Wedian, in August,2009**
   - "Neighborhood-based Route iscovery Protocols for Mobile Ad hoc Networks **"**
5. **Eman Badran, in December,2010**
   - "An adaptive Backoff Algorithm for Mobile Ad hoc Networks"

6. **Deya'a Al-zoabi, in 2010**
   - "Dynamic Probabilistic Flooding in DSR Routing Algorithm for MANETs".
7. **Lina Hosni Ahmad Abu Fadalah, in 2010**
   - "New Probabilistic-Based broadcasting Algorithm for Mobile AD-HOC Networks **"**
8. **Amera Al- Ameri, in 2011**
   - "A New Routing Discovery Algorithm Using Parallel Chase Packets"
9. **Ruba Mahmoud Al-Salah, in 2011**
   - "A New Scheme for Detecting Malicious Nodes in MANETs".
10. **Reem mahafza, in 2011**
    - **[**"Retrieving Arabic Textual Documents Based on Queries Written in Arabic Slang Language**"**
11. **Zeinab Abu Taye, in 2011**
    - "A New Backoff algorithm for IEEE 802.11 DCF MAC protocol in Mobile Ad hoc Networks"
12. **Ahmad A. Momani, in 2011**
    - "Improved MAC Protocol for Mobile Ad hoc Networks".
13. **Hassan Mistareehi, in 2011**
    - "Improvement on the Lifetime of the WSN using Energy Efficiency Saving of LEACH Protocol".
14. **Enas Issa Mahmoud in 2011**
    - A New Energy Saving Algorithm for Wireless Sensor Networks
15. **Ala'a Nasir Daif Allah Al-Slaity in 2012**
    - Stable Neighborhood-Based Route Discovery Protocol for Mobile Ad hoc Networks
16. **Baha' Yahya Mahmoud Nawafleh in 2012**
    - Improved AODV Protocol to Detect and Avoid Black Hole Nodes in MANTs

17. **Mariam Mohammad Enaizan Abdel ghani in 2012**
    - Network Size Estimation in VANETs
18. **BARAQ AHMAD YAHYA GHALEB 2012**
    - A New Energy-Efficient Clustering and Routing Scheme in Wireless Sensor Networks
19. **YAZAN MOHAMMAD RAJA RABABAH 2013**
    - Dynamic Distabce-Based Broadcast Scheme for Mobile Ad Hoc Netwworks
20. **ALI MOHAMMAD ALI HATAMLEH in 2013**
    - Hybrid Technique for Jobs Scheduling in Cloud Computing Systems
21. **Balqees Abd Elhameed Khalaf Alhababsa Elazaydeh in 2013**
    - Adaptive Counter-Based Broadcasting Scheme in Mobile Ad-Hoc Networks
22. **Hisham Ahmad TheebShehadeh in 2014**
    - An improvement on health monitoring system for multiple patients using wireless sensor network
23. **Maryan Naji Elias Yatim in 2014**
    - NOVEL INTERFACE FOR SMART HOME APPLICATIONS
24. **Mai Mohammed Abu-Jazoh in 2014**
    - FEATURE SELECTION FOR BLACK HOLE ATTACK IN MOBILE AD HOC NETWORKS
25. **Haneen shahada mahmoud alnassan in 2014**
    - Improved Artificial Bee Colony Scheme to Enhance Coverage in Sensor Network
26. **Mohammed Qasem Yahya Al-Maolegi in 2015**
    - An Energy-Efficient Mechanism in Hierarchical Protocols of Wireless Sensor Networks
27. **AHMAD ABD ALNAEEM ALI BANI AMER in 2016**
    - Energy Saving in Constrained Application Protocol of Internet of Things by Using Dynamic Tuning Approach
28. **ESRA'A MOHAMMAD TAISIR MASA'DEH in 2016**
    - Dynamic Trickle Algorithm for Low Power and Lossy Networks
29. **Weam Adel Mahmoud Talafha**
    - A Resource-Efficient Encryption Algorithm for Multimedia Big Data.

PROF. MUNEER BANI YASSEIN
PROFESSOR OF COMPUTER SCIENCE

I was also responsible for teaching the following courses:

- **UNDERGRADUATE COURSES**
  - CS 493 (Special Topics).
  - CS 492 (Graduation Project 2).
  - CS 491(Graduation Project 1).
  - CS 375 (Operating systems).
  - CS 442 Computer Networks.
  - CS 390 (Training).
  - CS 115(C++ programming).
  - CS 113(FORTRAN programming).
  - CS112 (C++ Programming).
  - CS 101 (Introduction to Information Technology).
  - CS100 (Computer Skills).
- **GRADUATE COURSES**
  - CS 789 (Seminar in Advanced Computer Science Topics).
  - CS742 (Advanced Computer Networks).
  - CS 795 (Advanced Special Topics).

- **SENIOR PROJECTS SUPERVISED**
  - Convert Sound To Text In Arabic Language
  - Online Voting System
  - JUST Map Guidance & Booking Halls System
  - Blood Bank System
  - Work-Time Observing System
  - Help Disk
  - Family tree
  - Game design
  - MOICT Payment Gateway Integration
  - 10.E-payment system
  - 11.Fingerprint identification
  - 12.Work time observing system
  - 13.Conference management system website

Academic and Professional Services
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- **Committees and Councils**
  - I was part of the Computer Science (CS) Department Council and the Faculty of
Computer and Information Technology (CIT)
    - Council Curriculum committee, chair, 2008-2010.
    - Research committee, chair, 2008-2010, member 2010-2012.,2013-2014,2010-2022.
    - Promotion/appointment committee, chair2008-2010,2013-2014, 2015-2016,2019-2022
    - Graduate programs committee chair, 2008-2010,member2010-2012, 2013-2014, 2015-20122
    - Student's Advisory committee, chair, 2008-2010.,2013-2014.20-2022
    - Social committee, chair, 2008-2010.,2013-2014

  - I chaired several committees at the College -level such :
    - Vice Dean, 2010-2012., 2013-2014, 2016-2022
    - College Council, member, 2008-2012.,2013-2014. 2016-2022
    - Research committee, member, 2008-2012.,2013-2014, 2016-2022
    - Curriculum committee, chair,2010-2012,2013-2014, 2016-2022

PROF. MUNEER BANI YASSEIN
PROFESSOR OF COMPUTER SCIENCE

Licenses
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- International Computer Driving License (ICDL):
     Chair, Tester, and Trainer.

Community Service
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- Conducted free training on ICDL for university students.
- Participated in different IT workshops in the region.

REFERENCE
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