

Yousef Awwad Daraghmi, PhD

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Work Experience

- 5/2020-Present Associate Professor**
College of Engineering and Technology, Palestine Technical University-Kodorie
- Teaching Algorithms, Computer Architecture, Microprocessors,
 - Established advanced database course and special topics course (new trends in computing)
 - Research on Intelligent Transportation Systems, Deep Learning, Blockchain
 - Supervising Master and PhD students in **Palestine** and **Taiwan**
- 9/2022-Present Director of International Relation Office**
Palestine Technical University- Kodorie
- Developing cooperation with international academic and non-academic organizations
 - Assisting in writing proposal for grants
 - Supervising running projects funded by international donors
- 4/2014-5/2020 Assistant Professor**
College of Engineering and Technology, Palestine Technical University-Kodorie
- Teaching Algorithms, Computer Architecture, Intelligent Systems
 - Research on Intelligent Transportation Systems, Deep Learning, Blockchain
- 10/2002-Present Founder of Hisba.co**
- Developing accounting and management software/applications
- 9/2016-9/2018 Chairman of Computer Systems Engineering Department**
College of Engineering, Palestine Technical University- Kodorie
- Managing staff, students and courses in the department
 - Participating in curriculum development
 - Participating in university committees: conference committees, job interview committees, and college committee

- 1/2014-6/2014 Senior Software Engineer**
CacaFly company, Taiwan (Agent in East Asia of Facebook, Google, and Microsoft)
- Optimizing Online Advertisement and real-time bidding
 - Mining big data of digital advertisement
 - Designing distributed data system (shard) for the company
- 9/2009- 1/2014 Research Assistant**
Network Optimization Lab (NOL), National Chiao Tung University, Taiwan
- Research on Vehicular Ad Hoc Networks (VANETs), Dynamic Guidance Systems, Spatio-temporal traffic data modeling
- 2/2009-9/2009 Lecturer**
Computer science college, AL-Quds Open University, Palestine
- Teaching Java, Algorithms, and Logic Design
- 4/2003 – 8/2005 Head of Technical and Computer Division**
Jericho Educational Directorate, Ministry of Education, Palestine
- Maintaining computer networks and labs in the directorate and schools
 - Training employees and teachers on computers, software, and networks

Education

- 9/2009- Present **PhD Degree** Excellent with honor, 94 %
Computer Science and Engineering, National Chiao Tung University, Taiwan
- Study fundamental and up-to-date courses in computer systems
 - Research topic: Intelligent Transportation Systems
 - Publication in high class journal such as IEEE transaction on ITS and IEEE network magazine
 - Reviewer of several scientific journals
- 9/2005- 6/2007 **Master degree** Excellent with honor, 93 %
Computer Science and Information Engineering, National Chiao Tung University, Taiwan
- Study fundamental and up-to-date courses in computer systems
 - Research topic: E-learning and mobile learning for improving students interactivity
 - Publication in two conferences and one journal
- 9/1997-6/2002 **Bachelor degree** Very good, 82.7%
Electrical Engineering –Computer field, AL-Najah National University, Palestine

- Research project: Detecting the quality of pavement by electronic sensors
- The project involves: designing embedded system with electronic circuits and low-level microprogramming (PIC) and high level (.net) programming

9/1996-6/1997 **Tawjihi** (high school certification) Excellent : 93.6%
Tubas Secondary School, Palestine

Research Interests

- [1] Intelligent Transportation Systems (ITS)
- [2] Vehicular Adhoc networks
- [3] Machine learning and Deep Learning
- [4] Blockchain applications

Postgraduate supervision

- [1] Supervisor, Mana Yahya, Master degree students, Palestine Technical University – Kadoorie, 2023, Topic: Detection Powdery Mildew Disease in Cherry Plant leaves using Machine Learning Techniques,
- [2] Supervisor, Waed Mohammad, Master degree students, Palestine Technical University – Kadoorie, 2023, Topic: Analyzing Agricultural Drone Data Using Machine Learning Models for Improving Crops Productivity
- [3] Co-adviser, Mohammad Atif Sarwar, PhD student, Network Optimization Lab, National Yang Ming Chiao Tung University –Taiwan, 2019-2023, topic: using deep learning for activity classification and prediction
- [4] Co-adviser, Mohammad Safarini, PhD student, Arab American University – Palestine, 2020-2023, thesis topic: using drones to detect road roughness
- [5] Supervisor, Hazim Harb, Master degree students, Palestine Technical University – Kadoorie, 2021, Topic: Developing a Blockchain Based System for Preventing Fraud and Manipulation in InsurTec Sector: Insurance Companies in Palestine as A Case
- [6] Supervisor, Ibrahim Shawahneh, Master degree student, Palestine Technical University – Kadoorie, 2020-2022, Topic: digital forensic of vehicle dashcams
- [7] Supervisor, Mohammad Zitawi, Master degree student, Palestine Technical University – Kadoorie, 2020-2022, Topic: detecting fake images in social media
- [8] Supervisor, Shadi Zakarneh, Master degree student, Palestine Technical University – Kadoorie, 2020-2023, Topic: Blockchain for transparent and secure anticorruption complain system
- [9] Supervisor, Taqi Alqam, Master degree student, Arab American University - Palestine, 2021-2023, Topic: Android Malware prediction based on deep learning

Thesis/dissertation examiner

- [1] Master thesis, Tujan Abu Tammam, Alquds University, topic: Online Remotely Failure Detection for Vehicle Components, 2018
- [2] Master thesis, Mohammad Safarini, Arab American University Palestine, topic: Automated image classification in culture heritage using KLMMK Algorithm, 2019
- [3] Master thesis: Mohammed Sudqi Mohammed Fuqaha, Arab American University Palestine, topic: Preparing images for Embroidery, 2022
- [4] Master thesis, Younes Nedat Younes Hantoli, Arab American University Palestine, 2019, topic: Prediction and Classification Analytics of Obesity Datasets Using a Hybrid Model of Clustering and Neuro-Fuzzy Methods, 2021
- [5] Master theis, Abedelkareem Riad Kamel Zidan, Arab American University Palestine, 2019, topic: Prediction of Compressive Strength of Concrete in Palestinian Governorates Using Machine Learning Techniques, 2021
- [6] Master thesis, Ali Mohammad Ali Hussein, Arab American University Palestine, 2019, topic: Electricity Consumption Prediction Using Artificial Neural Networks and Evolutionary Algorithms: A Case Study Tulkarm City, 2021
- [7] Master thesis, Mohammad Salaheddeen, Arab American University Palestine, topic: 'Assessment of Health Information Security and Privacy Protection in the Palestinian Ministry of Health, 2021
- [8] Master thesis, Azhar Omar Ghanem, An-Najah National University, topic: Agile-Scrum Backlog Changes Optimization In Software Engineering Organizations, 2022
- [9] Master thesis, Samer Bassam Mohammad Sweileh, Arab American University Palestine, topic: Diagnosis and classification of Hypothyroidism and Hyperthyroidism based on Machine Learning Techniques, 2022
- [10] Master thesis, Eman Mukhaimer, An-Najah National University, topic: Pandemic-Based School Classes Scheduling Automation Algorithm: Palestinian Schools As A Testing Case, 2022 Master thesis, Leena Suadi, Alquds Open university, topic: The Influence of Digital Transformation on the Quality Level of the Governmental Services: The Case of the Palestinian Land and Water Settlement Authority, 2022
- [11] Master thesis, Oroob Abdullah Farhan Yassin, Arab American University Palestine, topic: Diagnosis and Classification of Brain Tumors Based on Deep Learning Techniques, 02/2023
- [12] Master thesis, Areej Sawwan, An-Najah National University, topic: A Dynamic Ontological Framework for Bukhari Ahadith, 03/2023
- [13] Master thesis, Mohammad Fathallah Ghanem, Arab American University Palestine, topic: Early and Accurate Prediction of Heart Disease Using Machine Learning: a feature selection, 03/2023
- [14] Master thesis, Mohannad Hendi, Arab American University Palestine, topic: Accurate Pedestrian Detection for Human Crowds Using Deep Learning Techniques, 07/2023

- [15] Master thesis, Hamed _Alhjabdullah , Palestine Technical University – Kadoorie, Topics: Artificial Intelligence Capabilities and Their Relationship to the Strategic Decisions in the Palestinian Ministries, 09/2023
- [16] Master Thesis, Ashraf Qawasmi, Al-Quds Open university, Topic: Human resource management information systems in industrial companies in Hebron and their role in organizational effectiveness, 09/2023

Research Activities

- 1- Member of UNIMED (Mediterranean Universities Union) SubNetwork on Transports & Logistics
- 2- Publicity chair of 2018 IEEE Symposium Series on Computational Intelligence
- 3- Spokesman representing the university in different events
- 4- Administrative Manager, Erasmus + projects, "*Pathway in Forensic Computing/ FORC*" and "*Disability as Diversity: The Inclusion of Students with Disabilities in Higher Education/ Edu4Aal*"
- 5- Head of the Scientific Committee, Undergraduate Research and Innovation Conference in Engineering and Information Technology, 2017 and 2018
- 6- Technical Program Committee member for conferences, for example:**
 - International Conference on Advances in Vehicular Systems, Technologies and Applications, 2022, 2023
 - VEHICULAR 2024The International Conference on Contemporary Engineering and Computing 2024 (ICCEC 2024)
 - The first QOU International Conference on Information and Communication Technology, 2023
 - 11th International Conference on Computational Collective Intelligence 2019
 - The International Conference on Connected Vehicles and Expo 2012-2015
 - The International Conference on Intelligent Transportation Systems Telecommunications (ITST 2012, 2013, 2015, 2017, 2018),
 - International Conference on Signal Processing 2015,
 - Asia-Pacific Network Operations and Management Symposium (2015-2023).
 - The Eighth International Conference on Advances in Vehicular Systems, Technologies and Applications 2019
 - 2020 and 2021 International conference on Promising Electronic Technologies
- 7- Reviewer in high rank journals (<https://www.webofscience.com/wos/author/record/1106699>) examples:**
 - IEEE Transaction on Intelligent Transportation Systems,
 - IEEE network magazine,
 - IET Intelligent Transportation Systems
 - Transactions on Multimedia Computing Communications and Applications, ACM

- Big Data and Cognitive Computing, MDPI
- Applied Sciences, MDPI
- Sensors, MDPI
- Mathematics, MDPI

Research Funds

- [1] Erasmus+, CBHE, PhDGov project, 2023
- [2] Erasmus+ (VET), AgroTec project, 2022
- [3] Erasmus+, CBHE, Edu4ALL project, Euro960,379.0, granted in 2020
- [4] Al-Maqdisi project, funded by French ministry of higher education, 2020

Talks

- [1] Digital Transformation in Transportation: Intelligent Transportation Systems, in the Sixth Forum for Innovation organized by the Higher Council for Innovation and Excellence, 2021
- [2] Internet of Vehicles: current situation and future trends, At the Arab American University Engineering day, 2019
- [3] Cloud Computing for Office Management, Palestine Technical University workshop using Hi-Tech for efficient administration, 2019
- [4] Blockchain Current research, Al-Quds Open University forum on Fintech, 2018
- [5] Introduction to Blockchain, Undergraduate Research and Innovation conference, Palestine Technical University, 2018

Awards

- [1] Palestine Technical University Kadoorie Award for Distinguished Research, 2019, 2020, 2022
- [2] The Best Paper Award from the international conference on Intelligent Transportation Systems Telecommunications (ITST), 2012
- [3] Industrial Technology Research Institute (ITRI) scholarship for PhD research, Taiwan, 2009
- [4] Computer Science Honor Degree for high academic performance, National Chiao Tung University, Taiwan, October, 2006
- [4] National Chiao Tung scholarship for high academic performance, Taiwan, September 2006.

Trainings

- [1] Training on digital Accessibility in the university of the Basque Country, 6-10/03/2023
- [2] Training on Assistive Technologies and digital accessibility for students with disabilities, University of Athens, Greece, October 2021, and at INT@E Leipzig Germany 06/2022, Athens 11/2022
- [3] Data Science and Engineering, Harvard University, start 10/2021 – 03/2022
- [4] Forensic Computing, University of Cagliari – Italy, June/2018
- [5] Digital Forensics, Middle sex university, April/2019
- [6] Internet of Things and Cloud Computing, Notre Dame Initiative for Global Development, January/2019

Research Publications

Journal Articles

- [1] **Yousef-Awwad Daraghmi**, Ibrahim Shawahneh, “Digital Forensic Analysis of Vehicular Video Sensors: Dashcams as a Case, Sensors, Volume 23, issue 17, P.P. 1-19, 2023
- [2] MA Sarwar, YC Lin, **Yousef-Awwad Daraghmi**, TU İk, YL Li, “Skeleton Based Keyframe Detection Framework for Sports Action Analysis: Badminton Smash Case, IEEE Access, Volume 11, P.P. 90891 - 90900
- [3] Rasha Saffarini, Faisal Khamayseh, **Yousef-Awwad Daraghmi**, Derar Elyan, Muath Sabha, “Survey of Road Anomalies Detection Methods, International Journal of Intelligent Systems Technologies and Applications, Volume 21, issue 3, 2023, PP. 280-302
- [4] Raed S. M. Daraghma, **Yousef Daraghmi**, Eman Daraghmi, Hacene Fouchal, Marwan Ayaida, “Comparison of NB-IOT, Lora, and Sigfox IOT Protocols in a Wireless Sensor Network,” International Journal on Communications Antenna and Propagation, Volume 13, issue 2, P.P. 80-88. 2023
- [5] Sheng-Hsien Cheng; Muhammad Atif Sarwar; **Yousef-Awwad Daraghmi**; Tsi-Uí İk; Yih-Lang Li, “Periodic Physical Activity Information Segmentation, Counting and Recognition From Video”, IEEE Access, Volume 11, P.P. 23019-23031, 2023, impact factor = 3.476
- [6] **Yousef Awwad Daraghmi**, Bahaa Yahya, Eman Yaser Daraghmi, “Has ovid-19 Affected Software Usability: Mobile Accounting System As A Case,” Journal of Theoretical and Applied Information Technology, volume 101, issue 2, 2023
- [7] **Yousef-Awwad Daraghmi**, Eman Yaser Daraghmi, Raed Daraghma, Hecen Fouchal, Marwane Ayaida, “ Edge–Fog–Cloud Computing Hierarchy for Improving Performance and Security of NB-IoT-Based Health Monitoring Systems,” Sensors, Volume 22, 2022, P.P. 1-17, impact factor =3.847
- [8] **Yousef-Awwad Daraghmi**, Mamoun Abu Helou, Eman-Yaser Daraghmi, Waheeb Abu-ulbeh, “ IoT-Based System for Improving Vehicular Safety by Continuous Traffic Violation Monitoring,” Future Internet, Volume 14, issue 11, 2022, P.P. 1-17, Q2

- [9] **Yousef-Awwad Daraghmi**, Eman-Yaser Daraghmi, "RAPD: Rapid and Participatory Application Development of Usable Systems During COVID19 Crisis," IEEE Access, Volume 10, 2022, P.P. 93601 – 93614, impact factor = 3.476
- [10] Tzu-Wei Yu, Muhammad Atif Sarwar, **Yousef-Awwad Daraghmi**, Sheng-Hsien Cheng, Tsi-Ui`Ik, Yih-Lang Li "Spatiotemporal Activity Semantics Understanding Based on Foreground Object Segmentation: iCounter Scenario," IEEE Access, Volume 10, 2022, impact factor = 3.476
- [11] Ming-Hong Lin, Muhammad Atif Sarwar, **Yousef-Awwad Daraghmi**, Tsi-Ui`Ik, "On-Shelf Load Cell Calibration for Positioning and Weighing Assisted by Activity Detection: Smart Store Scenario," IEEE Sensor Journal, volume 22, issue 4, 2022, impact factor = 3.30
- [12] Eman Daraghmi, Mamoun Abu Helou, **Yousef-Awwad Daraghmi**, "A Blockchain-Based Editorial Management System," Security and Communication Networks, Wiley, Hindawi, 2021, P.P. 1-17, impact factor = 1.97
- [13] Anas Ibrahim, Alexander Chefranov, Nagham Hamad, **Yousef-Awwad Daraghmi**, Ahmad Al-Khasawneh, Joel J. P. C. Rodrigues, "NTRU-Like Random Congruential Public-Key Cryptosystem for Wireless Sensor Networks," Sensors, volume 20, issue 16, 2021, impact factor=3.576
- [14] **Yousef-Awwad Daraghmi**, Tsung-Hsiang Wu, Chih-Wei Yi, "Crowdsourcing-based Road Pavement Evaluation and Indexing," Accepted in IEEE transaction on Intelligent Transportation Systems, Dec 2020, P.P. 1-12 - impact factor = 6.492
- [15] **Yousef-Awwad Daraghmi**, Eman Yasser Daraghmi, Motaz Daadoo, Samer Alsaadi "Forecasting for Smart Energy: An Accurate and Efficient Negative Binomial Additive Model," Indonesian Journal of Electrical Engineering and Computer Science, volume 02, Issue 20, Nov 2020
- [16] **Yousef-Awwad Daraghmi**, Eman Yasser Daraghmi, Samer Alsaadi, Derar Eleyan, "Accurate and Time-Efficient Negative Binomial Linear Model for Electric Load Forecasting in IoT," Transactions on Emerging Telecommunications Technologies, 2019, P.P. 1-14, impact factor = 2.63
- [17] Eman Yasser Daraghmi, **Yousef-Awwad Daraghmi**, Shyan-Ming Yuan, "MedChain: A Design of Blockchain-based System for Medical Records Access and Permissions Management, IEEE Access, volume 07, Issue 01, 2019, P.P. 164595-164613, impact factor = 3.476
- [18] Eman Yasser Daraghmi, **Yousef-Awwad Daraghmi**, Shyan-Ming Yuan, "UniChain: A Design of Blockchain-Based System for Electronic Academic Records Access and Permissions Management", Applied Sciences, volume 9, issue 4966, 2019, P.P. 1-27, impact factor = 2.679
- [19] Eman Yasser Daraghmi, **Yousef-Awwad Daraghmi**, "Advanced Diffusion Approach to Dynamic Load-Balancing for Cloud Storage," International Journal of Parallel and Distributed Systems and Networks, volume 10, Issue 2/3, 2019, P.P. 1-13, impact factor = 3.57
- [20] Fareed Qararyah, **Yousef-Awwad Daraghmi**, Eman Yasser Daraghmi. "Logistic Regression Based Model for Improving the Accuracy and Time Complexity of ROI's Extraction in Real Time Traffic Signs Recognition System," Journal of Computer Science Research, volume 01, issue 01, 2018, P.P. 10-15.

- [21] El-Sayed, H.; Sankar, S.; **Yousef-Awwad Daraghmi** .; Tiwari, P.; Rattagan, E.; Mohanty, M.; Puthal, D.; Prasad, M. "Accurate Traffic Flow Prediction in Heterogeneous Vehicular Networks in an Intelligent Transport System Using a Supervised Non-Parametric Classifier," *Sensors* 2018, volume 18, issue 6, P.P. 1668-1696.
- [22] Motaz Daadoo, **Yousef-Awwad Daraghmi**, "Smart Water Leakage Detection Using Wireless Sensor Networks," *International Journal of Networks and Communications*, volume 7, issue 1, February 2017, P.P. 1-16.
- [23] Ahmad Hasasneh, **Yousef-Awwad Daraghmi**, Nabil Hasasneh, "Towards Accurate Real-Time Traffic Sign Recognition Based on Unsupervised Deep Learning of Spatial Sparse Features: A Perspective," *International Journal of Computer and Information Technology* volume 06, Issue 01, January 2017, P.P. 32-36
- [24] Motaz Daadoo, **Yousef-Awwad Daraghmi**, "Design and Implementation of Low Cost Computer Numerical Control-Printed Circuit Boards Drilling Machine," *International Journal of Engineering and Innovative Technology (IJEIT)*, volume 5, Issue 10, April 2016, p. 63 -67
- [25] **Yousef-Awwad Daraghmi**, Ahmad Hasaneh, "Accurate Real-Time Traffic Sign Recognition Based on the Connected Component Labeling and the Color Histogram Algorithms," *International Journal of Signal Processing Systems*, volume 4, issue 5, October 2016, P.P. 417-421.
- [26] **Yousef-Awwad Daraghmi**, Motaz Daadoo, "Improved Dynamic Route Guidance based on Holt-Winters-Taylor method for Traffic Flow Prediction," *International Journal of Traffic and Transportation Engineering*, Volume 4, issue 3, 2015, P.P 75-83.
- [27] **Yousef-Awwad Daraghmi**, Chih-Wei Yi, Tsun-Chieh Chiang, "Negative Binomial Additive Models for Short-Term Traffic Flow Forecasting in Urban Areas," *IEEE transaction on Intelligent Transportation Systems*, volume 15, issue 2, April 2014, P.P. 784-793. impact factor = 6.492
- [28] **Yousef-Awwad Daraghmi**, Ivan Stojmenovic, Chih-Wei Yi, "Forwarding Methods in Data Dissemination and Routing Protocols for Vehicular Ad Hoc Networks," *IEEE Network*, volume 27, issue 6, November 2013, P.P. 74-79.
- [29] **Yousef-Awwad Daraghmi**, Ivan Stojmenovic, Chih-Wei Yi, "A Taxonomy of Data Communication Protocols for Vehicular Ad Hoc Networks," *Mobile Ad Hoc Networking: Cutting Edge Directions*, Second Edition, Wiley-IEEE Press, March 2013.
- [30] **Yousef-Awwad Daraghmi**, Chia-Feng Lin, Hsieng-Tang Lin, Shyan-Ming Yuan, "The Construction of Information Gathering with SMS Messages," *WSEAS Transactions on Communications (EI)* , volume 5, issue 6, June 2006, P.P 1208-1213.

Conference Proceedings

- [1] **Yousef-Awwad Daraghmi**, "Vehicle Speed Monitoring System Based on Edge Computing," *International Conference on Promising electronic Technologies*, Nov 2021
- [2] Noor Jallad, **Yousef-Awwad Daraghmi**, "Graph Representation for VANETs Based on HashMap of ArrayList and Pairs", *2020 International Conference on Electrical Engineering and Informatics (ICELTICs)*, Aceh, Indonesia, Oct 2020
- [3] Yih-Lang Li, Hong-Chuan Chi, Muhammad Atif Sarwar, **Yousef-Awwad Daraghmi**, Kuan-Wen Liu, Ts'i-U'ik, "Smart Self-Checkout Carts Based on Deep Learning for Shopping Activity Recognition", *The 21st Asia-Pacific Network Operations and Management Symposium*, Korea Sep 2020
- [4] Muhammad Atif Sarwar , **Yousef-Awwad Daraghmi**, Kuan-Wen Li, Hong-Chuan Chi, Ts'i-U'ik, Yih-Lang Li, "Smart Shopping Carts Based on Mobile Computing and Deep Learning Cloud

Services", 2020 IEEE Wireless Communications and Networking Conference (WCNC), Korea May 2020.

- [5] Fareed Qararyah, **Yousef-Awwad Daraghmi**, Eman Daraghmi, Shantanu Rajora, Chin-Teng Lin and Mukesh Prasad, "A Time Efficient Model for Region of Interest Extraction in Real Time Traffic Signs Recognition System", IEEE Symposium Series on Computational Intelligence India, Nov 2018, pp. 83-87
- [6] M Prasad, S Rajora, D Gupta, **YA Daraghmi**, E Daraghmi, P Yadav, "Fusion based En-FEC Transfer Learning Approach for Automobile Parts Recognition System," IEEE Symposium Series on Computational Intelligence (SSCI), India, Nov 2018, P.P. 2193-2199
- [7] Jagendra Singh, Mukesh Prasad, **Yousef-Awwad Daraghmi**, Prayag Tiwari, Pranay Yadav Neha Bharill, Mahardhika Pratama, Amit Saxena, "Fuzzy logic hybrid model with semantic filtering approach for pseudo relevance feedback-based query expansion," IEEE Symposium Series on Computational Intelligence (SSCI), India, Nov 2017, P.P. 1-7.
- [8] **Yousef-Awwad Daraghmi**, Motaz Daadoo, Derar Eleyan "User Centered Method for Enhancing the Adoption of Software Systems in Palestine", Proceedings of the International Conference on Future Networks and Distributed Systems, Cambridge, July 2017, No 13.
- [9] **Yousef-Awwad Daraghmi**, Motaz Daadoo, "Intelligent Smartphone Based System for Detecting Speed Bumps and Reducing Car Speed", the 3rd International Conference on Mechanics and Mechatronics Research, Chongqing, June 2016, P.P. 1-4.
- [10] **Yousef-Awwad Daraghmi**, Ahmad Hasaneh, "Accurate Real-Time Traffic Sign Recognition Based on the Connected Component Labeling and the Color Histogram Algorithms," International Conference on Signal Processing, Taipei, August 2015.
- [11] Motaz Daadoo, **Yousef-Awwad Daraghmi**, "Searching of Optimum Characteristics of Multi-Layer Switching Architecture in All-Optical Networks," 11th EAI International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, Taipei, August 2015.
- [12] **Yousef-Awwad Daraghmi**, Chih-Wei Yi, Tsun-Chieh Chiang, "Negative Binomial Based Models for Short-Term Urban Traffic Flow Prediction," PhD dissertation, National Chiao Tung University, January, 2014
- [13] **Yousef-Awwad Daraghmi**, Chih-Wei Yi, Tsun-Chieh Chiang, "Mining Overdispersed and Autocorrelated Vehicular Traffic Volume," International Conference on Computer Science and Information Technology (CSIT), Amman, March 2013.
- [14] **Yousef-Awwad Daraghmi**, Chih-Wei Yi, Tsun-Chieh Chiang, "Space-time Multivariate Negative Binomial Regression for Urban Short-Term Traffic Volume Prediction," 12th International Conference on ITS Telecommunications, Taipei, November 2012, Best Paper Award
- [15] **Yousef-Awwad Daraghmi**, Rowena J. Cullen, Tiong T. Goh, "Mixed Methodology Design for Improving Usability of e-Health systems," Proceedings of Health Informatics New Zealand HINZ, Rotorua, October 2008.
- [16] **Yousef-Awwad Daraghmi**, Hsien-Tang. Lin, Shyan-Ming Yuan, "Hybrid Teaching Assistant for Developing Students Interactivity and Comprehension," ISMW '07 Proceedings of the Ninth IEEE International Symposium on Multimedia Workshops, Taiwan, December 2007 P.P 29-34.
- [17] **Yousef-Awwad Daraghmi**, Shyan-Ming Yuan, "Hybrid Teaching Assistant for Developing Students Interactivity and Comprehension," Master Thesis, National Chiao Tung University 2007.

- [18] **Yousef-Awwad Daraghmi**, Chia-Feng Lin, Shyan-Ming Yuan, "Ubiquitous Information Gathering with SMS Query Service," TELE-INFO'06 Proceedings of the 5th WSEAS international conference, June 2006