

Curriculum Vitae

Asst. Professor, PhD.
Amin Salih Mohammed



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https://www.researchgate.net/profile/Amin_Mohammed9



<https://scholar.google.com/citations?user=i4GSOEoAAAAJ&hl=en>



Employment Experience & Professional Experience

Laboratory of Kaspersky.	2003 – 2005
Erbil, Kurdistan, Asst. Lecturer in Salahaddin University, college of engineering, Software	2007 – 2009
Ukraine-Kharkiv, Asst. lecturer in Department of Electronic Computers	2009 – 2012
Lecturer in Salahaddin University, college of engineering, Software Department	2012 - 2017
Head of Quality Assurance Unit, University of Salahaddin, College of Engineering	2014 - 2017
Head of Information Technology Department Lebanese French University(LFU)	2017 - 2018
Dean- College of Engineering and Computer Science, Lebanese French University (LFU)	2018-2019
Vice-President for Scientific Affairs, Lebanese French University (LFU)	2019-2021
President, Lebanese French University (LFU)	2021-present



Education

BSc in Computer Engineering and Control	2005
– <i>Kharkiv national university of radio electronics, Kharkiv, Ukraine</i>	
MSc in Computer Engineering and Control	2006
Thesis: Design and research of a computer network performance model <i>Kharkiv national university of radio electronics, Kharkiv, Ukraine</i>	
PhD in Computer Systems and Components	2012
Thesis: Methods and means for data transmission control in wireless networks <i>Kharkiv national university of radio electronics, Kharkiv, Ukraine</i>	



Certifications

Journal's Editorial Member:

- Editor in Chief, International Journal of Computer Communication and Informatics: <https://sietjournals.com/index.php/ijcci>
- Member of IEEE (Institute of Electrical and Electronics Engineers)
- Member of Editor Board, Advanced Information Systems Journal, ISSN: 2522-9052: <http://ais.khpi.edu.ua/>
- Member of Editor Board, Qalaa Zanist Journal, Online ISSN: 2518-6566 , Print ISSN: 2518-6558: <http://journal.lfu.edu.krd/>

Membership of Professional Bodies:

- CCNA (Cisco Certified Network Associate)
- MCP (Microsoft Certified Professional)
- MCT (Microsoft Certified Trainer)

Professional Certificates:

- European Computer Driving License Certificate
- CISCO SYSTEM Certification: Cisco Certified Network Associate
- ITALY- Minister of public, Administration Reform and Innovation-Skill Management System
- NDG Linux, Linux Professional Institute
- CISCO Networking Academy, Introduction to Cyber Security
- Mobility Series, Wireless technology
- Introduction to the Internet of Everything(IOE)
- CISCO Networking Academy Get Connected



Patent

Title	(En) Energy Efficient Adaptive Data Transmission Congestion Control Protocol for Health Care WSN
Application Number	201921018955
Application Date	13.05.2019
Publication Number	201921018955
Publication Date	15.11.2019
Publication Kind	A
IPC	H04W 84/02
Applicants	Dr. Davinder Singh Rathee Dr. Amim Salih Mohammed Dr. M. Sivaram Prof. Adarsh Moras Joseph
Inventors	Dr. Davinder Singh Rathee Dr. Amim Salih Mohammed

	Dr. M. Sivaram Prof. Adarsh Moras Joseph
Title	(EN) A Systematic Approach To Determining The Duty Cycle For Regenerative Comparator Used In Wsn
Application Number	201921018992
Application Date	13.05.2019
Publication Number	201921018992
Publication Date	15.11.2019
Publication Kind	A
IPC	G09D 12/15
Applicants	Dr. Davinder Singh Rathee Prof. Divyashree R Prof. Archana Kollu Dr. Amim Salih Mohammed Dr. M. Sivaram
Inventors	Dr. Davinder Singh Rathee Prof. Divyashree R Prof. Archana Kollu Dr. Amim Salih Mohammed Dr. M. Sivaram



Conference proceedings

1

Abbas M. Ali, Moayad Y. Potrus and **Amin S. Mohammad**
3rd International Engineering Conference on Developments in Civil & Computer Engineering Applications “*Multi-class vehicle types recognition system using spatial visual words with minimized feature set*”, Feb 26-27, 2017.

2

Amin S. Mohammad
International Science and Technical Conference on Modern Trends in Information and Communication Technologies and Control “*Energy balance dynamic election protocol for CLUSTER heterogeneous wireless sensor network*”, Kharkov-Ukraine, April04,2016.

3

Amin S. Mohammad, Moayad Yousif Potrus
International Conference on Computing, Communication and Control Engineering “*A Method for Compensation of TCP Throughput Degrading During Movement of Mobile Node*” (IC4E'2015) -Dubai (UAE)

4

Zavizistup U.U., **Amin S. Mohammad**
“*Using link-layer triggers to predict moving node in wireless networks*”. Collection of scientific work of conference “*Information technology in navigation and management*”, Ukraine, Kyiv, 5-6 July 2010.

5

Kuchuk G.A., Kovalenko A.A., **Amin S. Mohammad** “*Method of parametric data link to modify the transport protocols of wireless networks*”. Collection of scientific work “*Systems of processing Information*”, No.8, Ukraine, Kharkov, 2011.

6

Amin S. Mohammad
“*New Approach to reduce the loading on buffer to equalize the balance of the router input streams*”, Collection of scientific work of Ukrainian Scientific conference, Ukraine, Kharkov, 2011.

7

Zavizistup U.U., **Amin S. Mohammad**

“*Analysis and study of factors that impact wireless networks’ throughput*”, *Modern trends of development of information and communication technologies and management tools*. Material of the First STC. - H.: SE "HNDI TM"; Kyiv 13-14 Dec 2010.

8

Kalosha V.O., Kovalenko A.A., Zavizistup U.U., **Amin S. Mohammad**

“*New approach to development a method for decreasing of data transfer time in wireless network*”, State and prospects. Of development. Second international STC. - K.: SE "CRI NiU" Kyiv16-17 July 2010.

9

Amin S. Mohammad, Nemchenko V.P., Chepelov U.O.

“*Analysis of AD HOC networks-based on Petri network*”, State and prospects. Of development. Second international STC. - K.: SE "CRI NiU" Kyiv16-17 July 2010.

10

Sivaram, M., **Amin S. Mohammad**, D. Yuvaraj, V. Porkodi, V. Manikandan, and N.

Yuvaraj. "Advanced Expert System Using Particle Swarm Optimization Based Adaptive NetworkBased Fuzzy Inference System to Diagnose the Physical Constitution of Human Body." International Conference on Emerging Technologies in Computer Engineering, pp. 349-362. Springer, Singapore, 2019.

11

Amin S. Mohammad, Meleshko Y., Saravana Balaji B., Serhii S.

"Collaborative Filtering Method with the use of Production Rules", IEEE International Conference on Computational Intelligence and Knowledge Economy, 11-12 Dec 2019

12

Amin S. Mohammad, Barkovska, O., Suganthi S.T., Rosinkiy D., Oleg B.

"Automated Gardening System with Frost Prediction for Small Land Parcels", International Conference on Computation, Automation and Knowledge Management, 9-10, Jan 2020.

13

Amin S. Mohammad

"Modification of Load Reallocation Method in Base Station of WIMAX Technology", HONG KONG International Conference on "Computer, Electrical and Electronics Engineering" (CEEE-16), 2016.

14

Amin S. Mohammad, Yogesh Awasthi

"IoT- A Technological Boon in Natural Disaster Prediction", IEEE Conference ID: 46181 2019 6th International Conference on "Computing for Sustainable Global Development", 2019

15

Amin Salih Mohammed, Shyshatskyi Andrii, Ahmed Najat Ahmed, Dublian Olha, Salman Rasheed Owaid

"Multiparametric Assesment of the Conditional Channel of Multitarent Radio Communication Systems using Fuzzy Sets", 2019 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), IEEE Conference, Dubai, United Arab Emirates, United Arab Emirates, 11-12 Dec. 2019.

16

Amin Salih Mohammed, Yelyzaveta Meleshko, Saravana Balaji B, Semenov Serhii

" Collaborative Filtering Method with the use of Production Rules", 2019 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), IEEE Conference, Dubai, United Arab Emirates, United Arab Emirates, 11-12 Dec. 2019.



Publications

1

Amin S. Mohammad, Nyan Dawood Sallman,
“End To End Congestion Avoidance In Computer Network Using Robust PID
Controller” (2017) *Zanco Journal of Pure and Applied Sciences*, 29(4), pp. 98-104.

2

V. Manikandan; M. Sivaram; **Amin S. Mohammad**, V. Porkodi
An Intelligent Optimization Algorithm for Optimal Route Selection for Wireless Sensor
Networks, *Journal of Engineering and Applied Sciences* on November 10, 2019

3

Amin S. Mohammad
“Optimal Forecast Model For Erbil Traffic Road Data” (2017) *Zanco Journal of Pure and
Applied Sciences*, 29(5), pp. 137-145. doi: 10.21271/ZJPAS.29.5.15.

4

Bestoun S. Ahmed , **Amin S. Mohammad** , and Hemin T. Essa.
Assessing Combinatorial Design for Analyzing System
Performance of a Computer Network , *Journal of Zankoy Sulaimani- Part A*, Vol. 16 (4),
2014.

5

Kuchuk G.A., **Amin S. Mohammad**, Kovalenko A.A.
Method of bandwidth reallocation for decreasing of data transfer time in wireless network.
“ Systems of processing Information ”, No. 3(29), Ukraine, Kyiv, 2011.

6

Amin S. Mohammad
Method of reducing the load of buffers on router. “Radio Electronics and Computers
Systems”, No. 3(51), Ukraine, Kharkiv, 2011.

7

Mozhaev M.A., Kovalenko A.A., Zavizistup U.U., **Amin S. Mohammad**
Characteristics of protocols that operate in wireless networks. “ Systems of processing
Information”, No. 5(86), 2010.

8

Amin S. Mohammad, Kovalenko A.A., Zavizistup U.U.
Analysis of factors that impact wireless networks’ throughput. “Information technology in
navigation and management”, No.18, Ukraine, Kiev, 2011.

9

Kuchuk G.A., **Amin S. Mohammad**, Kovalenko A.A.
Method for decreasing of data transfer time in wireless network. “ Systems of processing
Information ”, No. 19, Ukraine, Kyiv, 2011.

10

Kuchuk G.A., **Amin S. Mohammad**, Kovalenko A.A.
Method of parametric management to modify the transport protocols of wireless networks.
“ Systems of processing Information ”, No. 8(98), Ukraine, Kharkiv, 2011.

11

Kovalenko A.A., Zavizistup U.U., **Amin S. Mohammad**
Method for load reallocation in base station of WIMAX technology. “ Computer science,
mathematical modeling, economics. International scientific and practical conference.
Collection of scientific work ”, No. 95, Russia, Smolensk, 16-17 July 2010.

12

Amin S. Mohammad , Kovalenko A.A.

Method of determining the types of errors that occur in wireless networks. "Collection of scientific work of Kharkiv Air Force University", January 2007.

13

Kovalenko A.A., Zavizistup U.U., **Amin S. Mohammad**
Method for compensation of TCP throughput degrading during movement of mobile node to another coverage area in wireless networks. "Collection of scientific work of Kharkiv Air Force University." № 1 (13), Ukraine, Kharkiv, 2007.

14

Kovalenko A.A., Zavizistup U.U., **Amin S. Mohammad**
Improve the efficiency of TCP protocol in wireless and mobile network. "Radio electronics and youth in the XXI century", April 2006.

15

Kovalenko A.A., Zavizistup U.U., **Amin S. Mohammad**
Modification of SACK Transmission Control Protocol. "Systems of processing Information". No. 9(58), Ukraine, Kharkiv, 2006.

16

Farah Qasim Ahmed, **Amin Salih Mohammed**
Enhancing the data security in cloud computing by using new encryption method, Qalaa Zanist Scientific Journal, Vol. (3), Issue (1) Winter 2018.

17

Amin Salih Mohammed, Farah Qasim Ahmed, Bnar Fareed Ibrahim
Modification of load balancing method in networks with wimax technology, Qalaa Zanist Scientific Journal, Vol. (3), Issue (2) Spring, 2018.

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Amin Salih Mohammed, Farah Qasim Ahmed
Study of video traffic In telecommunican systems for the purpose of service quality, Qalaa Zanist Scientific Journal, Vol. (3), Issue (3), Summer 2018.

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Dr. Kamaran HamaAli.A.Faraj, Dr. Nzar Abdulqader. Ali, **Dr. Amin Salah Mohamad**,
Dashne Raouf
Search Engine: Simple, Semi and Full Electronic Evaluation, International Journal Of Scientific & Technology Research.
Volume 7, Issue 8, August 2018.

20

V. Porkodi, Dr.M. Sivaram, **Asst.prof.Dr.Amin Salih Mohammed**, V. Manikandan,
Survey On White-Box Attacks And Solutions, Journal of Theoretical and Applied Information Technology.

21

Dr.M.Sivaram, V.Porkodi, **Amin Salih Mohammed**, V.Manikandan
Prolong The Network Lifespan of Wireless Sensor Network by Using HPSM,
International Journal of Mechanical Engineering and Technology (IJMET) Volume 10,
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Dr. M.Sivaram, **Asst.prof.Dr.Amin Salih Mohammed**, V.Porkodi, V.Manikandan,
Securing The Sensor Networks Along With Secured Routing Protocols For Data Transfer
In Wireless Sensor Networks, University Of Bahrain. *October 2018, Volume 5, Issue 10*
6 Pages,

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Asst.prof.Dr.Amin Salih Mohammed, M.Sivaram, V.Porkodi, V.Manikandan
Enhanced Dynamic Bandwidth Allocation Proportional to Reduce the Transmission Time,
International Journal of Engineering & Technology. 14-Special Issue, 2018,PP: 2024-2033

24

Dr.M.Sivaram, Dr.K.Batri, **Asst.prof.Dr.Amin Salih Mohammed**, V.Porkodi,
Exploiting The Local Optima In Genetic Algorithm Using Tabu Search, Bentham Science.

25

V.Manikandan, Dr.M.Sivaram, **Asst.prof.Dr.Amin Salih Mohammed**, V. Porkodi
Privacy Preserving Data Mining Using Threshold Based Fuzzy C-Means Clustering,
ICTACT Journal On Soft Computing, October 2018, Volume: 09, ISSUE: 01.

26

Asst.prof.Dr.Amin Salih Mohammed, D. Yuvaraj, M. Sivaram, V. Porkodi
Detection and Removal Of Black Hole Attack In Mobile Ad Hoc Networks Using
Grp Protocol. International Journal of Advanced Research in Computer
Science, Vol.10 Issue 6,2018

27

Dr.B Saravana Balaji, **Asst.prof.Dr.Amin Salih Mohammed**
Adaptability of SOA in IoT Services–An Empirical Survey, International Journal of
Computer Applications, Vol.182 Issue 31,2018

28

AAmin Salih Mohammed, M Sivaram, Suzan Tahsein Husein, V Porkodi, V.
Manikandan
4G and 5G Communication Networks Future Analysis, International Journal of
Engineering Research and Technology. ISSN 0974-3154, Volume 12, Number 3
(2019), pp. 343-349

29

Asst.prof.Dr.Amin Salih Mohammed, Hiwa Abdulkarim Mawlood
QoS Performance Evaluation in 4G and 5G - Comparison, International Journal of
Advanced Trends in Computer Science and Engineering, Volume 8, No.1.2, 2019

30

Asst.prof.Dr.Amin Salih Mohammed, Daroon Mudhafar Hamad , M.Sivaram ,
V.Porkodi , V.Manikandan
Analysis of Mobile IP Wireless Networks in 5G, Comparison, International Journal of
Advanced Trends in Computer Science and Engineering, Volume 8, No.1.2, 2019

31

Viswanathan, M., M. Sivaram, D. Yuvaraj, and **Asst.prof.Dr.Amin Salih Mohammed**
"Security and privacy protection in cloud computing." *Journal of Advanced Research in
Dynamical and Control Systems* (2018): 1704-1710.

32

M Sivaram, D Yuvaraj, **Mohammed Amin Salih**, V Porkodi, V Manikandan
The Real Problem Through a Selection Making an Algorithm that Minimizes the
Computational Complexity, International Journal of Engineering and Advanced
Technology, Volume 8, Issue 2, Pages 95-100

33

MDV, Sivaram Yuvaraj **Amin Salih Mohamme**. "Porkodi.
Estimating the Secret Message in the Digital Image." *International Journal of Computer
Applications* 181, no. 36 (2019): 26-28.

34

Sivaram, M., V. Porkodi, **Amin Salih Mohammed**, and V. Manikandan. "DETECTION
OF ACCURATE FACIAL DETECTION USING HYBRID DEEP
CONVOLUTIONAL RECURRENT NEURAL NETWORK." *ICTACT Journal on Soft
Computing* 9, no. 2 (2019).

35

Mohammed, Amin Salih, Shahab Wahhab Kareem, A. K. Al Azzawi, and M. Sivaram.
"Time series prediction using SRE-NAR and SRE-ADALINE." *Journal of Advanced Research
in Dynamical and Control Systems, Pages* (2018): 1716-1726.

36

Sivaram, M., V. Porkodi, **Amin Salih Mohammed**, V. Manikandan, and N. Yuvaraj.
"Retransmission DBTMA Protocol with Fast Retransmission Strategy to Improve the
Performance of MANET's." *IEEE Access* 7 (2019): 85098-85109.

37

Manikandan, V.; **Mohammed, A.S.**; Yuvaraj, D.; Sivaram, M.; Porkodi, V.
An energy efficient EDM-RAEED protocol for iot based wireless sensor networks,
Journal of Advanced Research in Dynamical and Control Systems, 14-Special Issue,
Pages: 1992-2004, 2018

38

Mohammed, Amin Salih, B. Saravana Balaji, and Hiwa Abdulkarim Mawlood.
"Conceptual analysis of iris recognition systems." *Advanced Information Systems*. 2019.
Vol. 3, No. 2

39

Mohammed, Amin Salih. "Improvement of an energy balance method of leach based on
genetic algorithm." *Системи управління, навігації та зв'язку* 2 (2017): 136-142.

40

Souri, Alireza, **Amin Salih Mohammed**, Moayad Yousif Potrus, Mazhar Hussain Malik,
Fatemeh Safara, and Mehdi Hosseinzadeh. "Formal verification of a hybrid machine
learning-based fault prediction model in Internet of Things applications." *IEEE
Access* (2020).

41

Saeed, Mustafa Gh, Kamaran HamaAli Faraj, **Amin S. Mohammed**, Azhee W. Muhamad,
Chiai Al-Atroshi, and Sherko H. Abdulrahman. "Short message service remotely mobile
device control." *Computational Methods for Differential Equations* 7, no. 4 (Special Issue) (2019):
545-565.

42

Mohammed, Amin Salih, B. Balaji, and M. S. Basha.
"Fuzzy applied energy aware clustering based routing for IoT networks.", (2019),
Advanced Information Systems. 2019. Vol. 3, No. 4.

43

Mohammed, Amin Salih, B. Saravana Balaji, and Saleem Basha. "Маршрутизація в IoT
мережах, орієнтована на кластеризацію із нечітко застосованою енергією." *Сучасні
інформаційні системи* 3, no. 4 (2019): 140-145.

44

Mohammed, Amin Salih, B. Saravana Balaji, and Hiwa Abdulkarim Mawlood.
"Концептуальний аналіз систем розпізнавання райдужної оболонки ока." *Сучасні
інформаційні системи* 3, no. 2 (2019): 86-90.

45

Porkodi, V., Juveriya Khan, **Amin Salih Mohammed**, J. Bhuvana, and M. Sivaram.
"Optimized Cooperative Qos Enhanced Distributed Multipath Routing Protocol." *Ictact
Journal On Communication Technology*, September 2019, Volume: 10, Issue: 03

46

Sivaram, M., D. Yuvaraj, **Amin Salih Mohammed**, V. Manikandan, V. Porkodi, and N.
Yuvaraj.
"Improved Enhanced Dbtma with Contention-Aware Admission Control to Improve the
Network Performance in Manets." Vol.60, No.2, 2019, pp.435-
454, doi:10.32604/cmc.2019.06295

47

Qattan, G.A., **Mohammed, A.S.**, Potrus, M.Y.
Network traffic drop minimization during maintenance using jaya optimization algorithm,
International Journal of Advanced Trends in Computer Science and Engineering, October
2019, *International Journal of Advanced Trends in Computer Science and Engineering*
8(5):2418-2428

48

Kuchuk, N., **A. S. Mohammed**, A. Shyshatskyi, and O. Nalapko. "The method of
improving the efficiency of routes selection in networks of connection with the possibility

of self-organization." *International Journal of Advanced Trends in Computer Science and Engineering* 8, no. 1 (2019): 1-6.

49

V. Manikandan, D. Yuvaraj, **Amin Salih Mohammed**, V. Porkodi, M. Sivaram
Electrical Energy Conservation and Energy Management System Using Internet of Things,
Issue: 14-Special Issue,2018,Pages: 2016-2023

50

Fatemeh Safara, **Amin Salih Mohammed**, Moayad Yousif Potrus, Saqib Ali, Quan Thanh
Tho, Alireza Souri , Fereshteh Janenia and Mehdi Hosseinzadeh
An Author Gender Detection Method using Whale Optimization Algorithm and Artificial
Neural Network, Published in: IEEE Access, 12 February 2020

51

Jayachitra Selvaraj and **Amin Salih Mohammed**
Mutation-based PSO techniques for optimal location and parameter settings of
STATCOM under generator contingency, Int. J. Intelligence and Sustainable Computing,
Vol. 1, No. 1, 2020

52

M. Sivaram, B. Ayshwarya, Muhammad Rizky Pribadi, Phong Thanh Nguyen, K. Shankar5,
Amin Salih Mohammed, Satria Abadi, Miftachul Huda, Dian Permana Putra, Wahidah
Hashim, Andino Maselena, V. Porkodi, V. Manikandan, Andrei V. Ochepovsky
REVISTA SAN GREGORIO, 2019, NO.32, Special Issue August, ISSN: 1390-7247;
EISSN: 2528-7907

53

M. Sivaram, **Amin Salih Mohammed**, D Yuvaraj,V. Manikandan.
IoT in agriculture, Journal of Advanced Research in Dynamical and Control Systems
10(14):1987-1991, November 2018

54



Book

BOOK PUBLISHED:

Product Details of "**Web Programming**"

Title:	Web Programming
Author:	Asst. Prof. Dr. Mahammed G.G. Asst. Prof. Dr. Amin S. Mohammed
ISBN:	978-9-9229047-1-9
Binding:	Paperback
Publisher:	Haval Press Company
Number of Pages:	218

BOOK TRANSLATED:

Product Details of "**Secret Mission in The Middle East**"

Title:	Secret Mission in The Middle East
Author:	Kiselev Alexander N.
Translated By:	Asst. Prof. Dr. Amin S. Mohammed
ISBN:	5-8189-0027-4, 5-17-001166-0
Binding:	HardCover

Publisher:	Geleos, AST, LG Information Group
Number of Pages:	320



Skills

HTML/CSS – Practiced
Programming, C++ – Practiced
Programming, MFC – Practiced
Programming, Delphi – Practiced
Programming, Java – Inking
Computer Networking – Advanced
MySQL – Intermediate



Language Skills

- **English** **Proficient**
- **Kurdish** **Proficient**
- **Russian** **Proficient**
- **Ukrainian** **Proficient**
- **Persian** **Proficient**