



CURRICULUM VITAE

Personal Information					
Name	Firas Mahmood Mustafa		Certificate	<input checked="" type="checkbox"/> PhD <input type="checkbox"/> MSc	
Birth Date	14/04/1974	Birth Place	Mosul-IRAQ	Nationality	Iraqi

Contact Information				
Current Address	Avro City - Duhok / Kurdistan-Iraq		Phone Number	009647828323835 009647701607357 009647501437687
ResearcherID:	N-2491-2017		Nawroz Uni. Email: firas.alfage@nawroz.edu.krd	
ResearcherID URL:	http://www.researcherid.com/rid/N-2491-2017			
IEEE:	Member of Iraq Section of the IEEE organization Member # 94301966		Other Emails:	
ORCID:	http://orcid.org/0000-0002-8757-5303		firas.mustafa@ieee.org firas.mah.m@gmail.com firas.mahmoud@dpu.edu.krd	
Google Scholar:	https://scholar.google.com/citations?hl=en&user=mbOFz8sAAAAJ			
EDAS ID:	1371318			
Researchgate	https://www.researchgate.net/profile/Firas_Mustafa2			
Mendeley	https://www.mendeley.com/profiles/firas-mustafa5/			
LinkedIn URL:	https://www.linkedin.com/in/dr-firas-mahmood-mustafa-49a14188/			

Degrees and Certificates Awarded			
Degree	Bachelor's	Master's	Ph.D.
Name of university	Mosul	Mosul	Mosul
Country of university	Iraq	Iraq	Iraq
Date degree granted	1997	2000	2007
Field	Electrical Engineering	Computer Engineering	Computer Engineering
Area(s) of specialization	Communication and electronic engineering	Image processing using Wavelet transform.	Optical WDM computer networks management.
Title of Master's thesis	Wavelet Filters With Applications in Image Denoising		
Title of Ph.D. dissertation	Optical WDM Switching and Routing Networks		
General Field:	Electrical and computer Engineering		
Specialty:	Networking		
Last scientific title:	Lecturer	Date: 2013	The granter: Duhok Polytechnic university

Organization Memberships

Member of OPATEL project (Erasmus+) a program with the European Union
Member of the IEEE organization - Iraq Section - Member # 94301966
Iraqi Engineers Association
Kurdistan Engineers Union
Iraqi Association for Computer Science
Consultant with Iraqi Businessmen Union

Teaching Topics

Computer Organization	System Analysis
Multimedia systems	Advanced Mathematics
Digital Image processing	Computer Applications
Telecommunication systems	Logic and Digital electronics
Digital Communication systems	Computer Networks
C++ Language	Computer Architecture

Research Interests

Image denoising	Routing algorithms
Optical communication and Networks	Wavelet Transformations
Network Routing	Smart Home,

Supervision

Current	Completed
One PhD. Student	Four MSc. Students

Teaching and Employment Expertise

From	To	Position	Name of University or Company	Country	Duties
2018	till now	Chairman of the computer and communication engineering department	Nawroz University	Kurdistan-Iraq	University education
2017	2018	Teaching staff at the computer and communication engineering department	Nawroz University	Kurdistan-Iraq	University education
2016	2017	Chairman of Petrochemical Engineering dept., and Member of the teaching staff	Duhok Polytechnic University Technical College of Engineering	Kurdistan-Iraq	University education
2014	2015	Director of IT and Networks	Duhok Polytechnic University the presidency	Kurdistan-Iraq	IT affairs
2013	2014	Teacher and Head of the Information Technology department	Duhok Polytechnic University Technical Institute of Duhok	Kurdistan-Iraq	University education
2012	2013	Lecturer (Courses of postgraduate)	Zakho University at the computer science department	Kurdistan-Iraq	University education
2012	2013	Teacher and Head of the computer science department	Nawroz University at the computer science department	Kurdistan-Iraq	University education
2007	2012	Lecturer	Nawroz University at the computer science department	Kurdistan-Iraq	University education
2008	2012	The Head of computer engineering department	college of Al_Hadba university at the computer engineering department	Iraq	University education
2005	2012	Teacher	college of Al_Hadba university at the computer engineering department	Iraq	University education
2005	2008	coordinator	college of Al_Hadba university at the computer engineering department	Iraq	University education
2000	2005	Lecturer	college of Al_Hadba university at the computer science department	Iraq	University education
1999	2000	Engineer of Maintenance	MF foundation for computers	Iraq	maintenance
1998	1999	Engineer of Maintenance	Nafithat alaeen bureau for computers	Iraq	maintenance
1995	1996	Technician	Cannon bureau for electronics	Iraq	maintenance
1995	1995	Technician	Al_Salam hospital	Iraq	engineering training

Scientific Publications

1	Dr. Firas Mahmoud Mustafa, and Heba Abdul-Razzak Raof “ Measuring Of Data Base Performance Using Oracle ”, AL-Rafidain Journal of Computer Sciences and Mathematics; Mosul University, Iraq, ISSN: 18154816; Volume 11, No. 1, 2014, pages 53-67. DOI: 10.33899/csmj.2014.163731 , https://csmj.mosuljournals.com/article_163731.html
2	Dr. Firas M. M. Al-Fiky and Zainab Salih Ageed , “ AUTHENTICATION SYSTEM DEPEND ON HAND GEOMETRY USING BACK PROPAGATION NEURAL NETWORK “, International Journal of Information Technology and Business Management (JITBM), ISSN 2304-0777; Volume 28, No. 1, 29th August 2014, pages 074-118. http://www.jitbm.com/JITBM%2028th%20Volume/6zainab.pdf
3	Dr. Firas M. Al-Fiky and Zainab Salih Ageed ” A New Features Extracted for Recognizing a Hand Geometry Using BPNN “, International Journal of Scientific & Engineering Research (JSER), ISSN 2229-5518, Volume 5, Issue 9, September-2014, pages 232-237, (http://www.ijser.org/researchpaper/A-New-Features-Extracted-for-Recognizing-a-Hand-Geometry-Using-BPNN.pdf)
4	Dr. Firas M. Al-Fiky, Dr. Ibrahim Taner Okumus, and Mr. Sami Hussien Ismael,” A New Approach of Image Denoising Based on Discrete Wavelet Transform ”, Conference Paper. Conference: World Symposium on Computer Applications & Research WSCAR2016, March-2016, Cairo, Egypt. DOI: 10.1109/WSCAR.2016.30 , http://ieeexplore.ieee.org/document/7791977/
5	Dr. Firas M. Al-Fiky, Dr. Atilla Elci, and Afrah Ramadhan, “ Image Denoising by Median Filter in Wavelet Domain ”, The International Journal of Multimedia & Its Applications (IJMA) Vol.9, No.1, February 2017, DOI: 10.5121/ijma.2017.9104. http://aircconline.com/ijma/V9N1/9117ijma04.pdf https://arxiv.org/abs/1703.06499
6-	Dr. Firas Mahmood Mustafa, and Dr.Tariq A. Al-Jumailly,” Buffer less All-Optical WDM Networks with Dynamic Traffic “, <i>Academic Journal of Nawroz University</i> (AJNU) , Kurdistan Region-Duhok, IRAQ, ISSN 2306-1065, Vol.6 (1), No.(10), 2017, Pages : 13-25. DOI: 10.25007/issn.2520-789X
7-	Mr. Shakir F. Kak and Dr. Firas Mahmood Mustafa, Dr. Pedro Valente,” A Review of Person Recognition Based on Face Model “; Eurasian Journal of Science and Engineering (EAJSE), Volume 4, Issue 1 (Special Issue), pages:157-168; September 2018. doi: 10.23918/eajse.v4i1sip157 http://www.ishik.edu.iq/conf/ieec/ , http://eajse.org/index.php/current-issue/?fbclid=IwAR21DLgUTmu7djVvXQ2U_J3h-1sbVIAYlEnnnJTIQqdcDr0ehXJCKp3bqf8
8-	Mr. Shakir F. Kak and Dr. Firas Mahmood Mustafa, Dr. Pedro Valente, “ Discrete Wavelet Transform with Eigenface to Enhance Face Recognition Rate ”; Academic Journal of Nawroz University (AJNU), Nawroz university – Duhok, Iraq, Vol.7, No.4, and pages: 9-18, 2018, Published: 2018-12-08. http://journals.nawroz.edu.krd/index.php/ajnu/article/view/266 , DOI: https://doi.org/10.25007/ajnu.v7n4a266
9-	Mr. Shakir F. Kak , Dr. Firas Mahmood Mustafa, and Dr. Riyadh Qashi ; “ Enhancing Smart Home Management System Using Member's Privilege “ ; 2018 2nd International Conference for Engineering, Technology and Sciences of Al-Kitab (ICETS) ,Al-Kitab University, Erbil, Iraq, 4-6 Dec. 2018,. DOI: 10.1109/ICETS.2018.8724624, Electronic ISBN: 978-1-5386-3578-0, Print on Demand (PoD) ISBN: 978-1-5386-3579-7. https://ieeexplore.ieee.org/document/8724624
10	Mr. Shakir F. Kak ,and Dr. Firas Mahmood Mustafa, “ Smart Home Management System Based on Face Recognition Index in Real-time “, 2019 International Conference on Advanced Science and Engineering (ICOASE),2-4 April 2019, DOI: 10.1109/ICOASE.2019.8723673, Electronic ISBN: 978-1-5386-9343-8, Print on Demand(PoD) ISBN: 978-1-5386-9344-5, https://ieeexplore.ieee.org/document/8723673
11	FERZO, Barwar M.; and Firas M. Mustafa. “ Digital Image Denoising Techniques in Wavelet Domain with another Filter: A review “, Academic Journal of Nawroz University, [S.I.], v. 9, n. 1, p. 158-176, mar. 2020. ISSN 2520-789X. Date accessed: 07 mar. 2020. doi: https://doi.org/10.25007/ajnu.v9n1a587 . Available at: https://journals.nawroz.edu.krd/index.php/ajnu/article/view/587
12	Dr. Firas M. Mustafa, “ Software Defined Networking Based Optical Network: A review “. Academic Journal of Nawroz University, [S.I.], v. 9, n. 2, p. 139-151, june 2020. ISSN 2520-789X. Available at: http://journals.nawroz.edu.krd/index.php/ajnu/article/view/718 . doi: https://doi.org/10.25007/ajnu.v9n2a718 .
13	Dr. Firas M. Mustafa, Haval Sulaiman Abdullah, and Dr. Atilla Elci. “ Image enhancement in wavelet domain based on histogram equalization and median filter ”, <u>Under Publishing.</u>
14	Dr. Firas M. Mustafa, and Mohammed Ghanim Saeed, “ All-Optical Networks Performance Improvement by Solving the RWA Problem Using Genetic algorithm ”, <u>Under Publishing.</u>
15	Dr. Firas M. Mustafa, and Maysaa Ali Abdullah, “ Solving RWA Problem in All-Optical Networks Based On Optimized Ant Colony Algorithm ”, <u>Under Publishing.</u>

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Activities

Participation and Completing the (Classification and Management of Journals Level-1 (CMSJ-1)) Training Course which held online by Jadara University, International Friendship Organization, and Swedish Iraqi Studies Network in Cooperation with Rike Gate for Conferences and Journals Management for the period 07-July to 15-July 2020.
Participation and attending 8 online training hours (4 Days) of "Applied Photovoltaic Systems ", SEED Project, Jordan, Online Training, 15-18 June, 2020.
Participation in the 3-Day online Symposium Webinar on Internationalization of Higher Education during Coronavirus, at Tehran University of Medical Sciences (TUMS), Tehran , Iran, May, (18th-20th) , 2020.
Participation as a reviewer of the 3rd International Conference on Recent Innovations in Engineering (ICRIE 2020), at Engineering College, Duhok University, Duhok, Kurdistan, Iraq, Sep., (9-10), 2020.
Participation Online in the electronic cultural season with the department of Software Engineering in Mosul University, Mosul, Iraq, April, (12-23), 2020 .
Participation in the training workshop entitled "Community of learning 70/20/10", that presented online by: "John G. Miller III-Director of learner Circle Company (LCC)" via Cisco WebEx platform and with the activities of the ministerial team of e-Learning, Baghdad, Iraq, April 28 th , 2020 .
Participation in the training workshop entitled "Create and Manage Assignments and Reports in Google Classroom", that was held online by the ministerial team of eLearning, Baghdad, Iraq, April 28 th , 2020 .
Participation Online in the electronic cultural season with the department of computer sciences in Mosul University, Mosul, Iraq, April, 27 th , 2020 .
Participation as a Truck chair and as a member of the scientific team of the first International Conference on Computer Science and Software Engineering (CSASE 2020). This conference is organized by the University of Duhok and technically is sponsored by IEEE, Iraq section, Duhok, Kurdistan, Iraq, April, (16-17), 2020 .
Participation as a reviewer and as a chair of panel session of the first International Conference on Computer Science and Software Engineering (CSASE 2020), Organized by the University of Duhok and technically is sponsored by IEEE, Iraq section, Duhok, Kurdistan, Iraq, April, (16-17), 2020 .
Participation and Completion the training course of (Implementing Entrepreneurship in the Curriculum for in-service teachers [Edupreneuship ToT]), as a project support by the German Federal Government and implemented by University of Duhok in cooperation with the GIZ. 14.04. 2019 to 20.06. 2019 (28 days) at the Training and development Center of UoD, Duhok, Kurdistan, Iraq.
Participation as a reviewer of the 2nd International Conference on Advance Sciences and Engineering 2019 (ICOASE2019) of Zakho and Duhok Polytechnic University, and technically is sponsored by IEEE, Iraq section, Duhok, Kurdistan, Iraq. April, (2-4), 2019 .
Participation as a reviewer and as a member of the scientific team of the 2 nd IICETA conference that scientifically sponsored by the Iraq section of IEEE, at the Islamic University, Najaf, Iraq, 2019 .
Participation as a reviewer of the ICECCPCE2019 conference that scientifically sponsored by the Iraq section of IEEE, at the Northern Technical University, Mosul, Iraq, Feb., 13-14, 2019 .
Training Course in eLearning workshop of the OPATEL project (Erasmus+) a program with the European Union. The workshop entitled (Workshop on learning Management Systems) and held by Leipzig University of Applied Science (HTWK), in Leipzig, Germany. July 01-05, 2019 .
Workshop in eLearning at DPU university, Duhok, Kurdistan, Iraq, as an activity of the OPATEL project (Erasmus+) a program with the European Union, 2019 .
Participation with active contribution in the 4 th college's scientific symposium under the title " Applicable Engineering Solutions" at Nawroz University, Duhok, Iraq, by the Computer and Communications Engineering Department on March 31 st and April 1 st of 2018 .
Participation as a reviewer and presented paper in the international Conference on Engineering Challenges in Kurdistan region (ICECKR2018). By Engineering College at Nawroz University, Duhok, Iraq. May 5-6 th , 2018 .
Training Course in eLearning at Porto university, Portugal as an activity of the OPATEL project (Erasmus+) a program with the European Union. In the Oporto Training Week at ISPAB/P&B from 08 to 14 th April 2018 .
Participation as a reviewer and as a member of the scientific team of the IICETA conference that scientifically sponsored by the Iraq section of IEEE, at the Islamic University, Najaf, Iraq, May, 9 th 2018 .

Participation as an assistant of the chair of the panel session of the 2nd International Conference on Engineering, Technology and Sciences of Al-Kitab University and technically is sponsored by IEEE, Iraq section, Erbil, Kurdistan, Iraq. Dec., (4-5), **2018**.

Participation at the 1st training course in the framework of "Online Platform for Academic TEaching and Learning in Iraq and Iran- OPATEL", which is a training course in eLearning took place at the University of Patras, Greece from 20/11/ 2017 to 24/11/2017 as an activity of the OPATEL project (Erasmus+) a program with the European Union, **2017**.

Kickoff meeting and a training Course in eLearning at Leipzig University, Germany as an activity of the OPATEL project (Erasmus+) a program with the European Union, **2017**.