RAZWAN MOHMED SALAH NAJIMALDEEN, PHD

SPECIALIST: REMOTE & VIRTUAL LABS

Address: Kayar City, Block A19, No 20. Duhok, Kurdistan Region, Iraq Phone: +964 750 4736993 DoB: 30/09/1978 Nationality: Iraqi Gender: Male Academic Status: Lecturer (PhD) current position: Senior Lecturer, University of Duhok. EMAILS: razwan.mayi@uod.ac & razwan.mayi@gmail.com Website:

<u>Google Scholar</u>, University of Duhok Site,

RESEARCH INTERESTING:

- REMOTE EXPERIMENTATION (REMOTE AND VIRTUAL LABS)
- VIRTUAL AND AUGMENTED REALITY (VR/AR)
- TECHNOLOGY ENHANCED LEARNING (TEL)
- EDUCATIONAL TECHNOLOGY
- HIGHER EDUCATION

EDUCATION

РнD	June 2017
University of Algarve, Faculty of Science and Techno	ology
Informatics Engineering Department, Faro, Portugal,	Online Labs Field
MSC	Oct. 2009
University Utara Malaysia, Collage Arts and Sciences	5
Information Technology Department, Kedah, Malays	ia, WEB and WAP Technology
BSC	Sep. 2003



PHD AWARD

Granted by Erasmus program to study PhD in online labs field (Remote and Virtual Labs) at • the University of Algarve, Faro, Portugal.

CONFERENCES BEST PAPER AWARDS

Awarded for the Best paper presented at IEEE-CITISIA conference which held in Sydney, • Australia, 2020.

MEMBERSHIP

Cisco Academic (CCNA1).	2006
• IEEE membership.	2018
• VISIR Special Interest Group (SIG).	Since 2013
• VISIR Activities Group in Mendeley.com (Admin).	Since 2015

PROJECTS

• **REXNet Project: (IREX Organization)**

Leader of Building a Remote Experimentation Network for serving higher education teachers and students in Iraq (REXNet) Project. This project is collaborated between Oklahoma Status University and three universities in Kurdistan Region in Iraq, namely Duhok University, Zakho University, and Duhok polytechnic University. In general, it aims to use Virtual Labs in higher education and serve students and teachers in computer science field.

- 1- http://cs.okstate.edu/~avgupta/IREX/
- 2- http://cs.okstate.edu/irex/index.html

VISIR System: (European Project)

Implementing a new Virtual Instrument Systems In Reality (VISIR) Open Lab Platform at the Oporto Polytechnic Institute- Instituto Superior de Engenharia do Porto (IPP-ISEP), Porto, Portugal. This node includes several languages (English, Swedish, Greek, Spanish, Portuguese, Arabic, Kurdish, Polish, and Dutch): http://svn.openlabs.bth.se/trac/openlabsweb/changeset/450

• Promoting ICT in Higher Education in the Middle East: (UNESCO IITE)

Contribute as the Expert and Consultant to the project "Promoting ICT in Higher Education in the Middle East" initiated by the UNESCO Institute for Information Technologies in Education (UNESCO IITE)

Sep. 2012 to Aug. 2015

2013 to 2017

Since 2016

Nov. 2020

with the financial support of Huawei. The project objective is to explore the current situation in ICTrelated education, in particular education that covers 5G/AI/Cloud technologies, in ten selected countries to lay the foundation for further ICT talent development programmes led by the donor, the Organisation or other stakeholders. The project will result in the ICT in Higher Education & TVET Insight Report based on data and information from ten selected countries (Bahrain, Iraq, Jordan, Kuwait, Lebanon, Oman, Pakistan, Qatar, Saudi Arabia and United Arab Emirates).

TEACHING AND RESEARCH EXPERIENCE

DISSERTATION

• Supervised several undergraduate students in Web and Mobile Applications, Virtual Reality (3D unity), and Open Online Learning at the Computer Science Departments, University of Duhok, and Cihan University- Duhok, Kurdistan Region, Iraq.

TEACHING UNDERGRADUATE COURSES (PRACTICAL & THEORY) Since 2003

- Program Languages (Prolog and Pascal).
- Logic Design.
- Web Technology and Internet programming (Html, Java Script, PHP)
- Computer Networks.
- Mobile Internet Programming (WML & WMLS).
- Research Methodology.
- Data Base.
- Remote Experimentation (REx).
- Virtual Reality.
- System Analysis and Design.
- Computer Graphics.
- Software Engineering.
- Information Security.
- Computer Skills and Applications.

TEACHING POSTGRADUATE COURSES

- Technology Enhanced-Learning.
- Virtual and Augmented Reality (VR/AR).
- Computer Applications.

MASTERS STUDENTS ADVISED

Since 2017

Since 2012

Advised two international students who are granted by Erasmus program. First student was a master student from Poland, from 7th, July 2015 to 7th, September 2015. Another master student was from the Netherlands, form 8th, February 2016 to 8th, July 2016.

PUBLICATIONS

A) <u>BOOK CHAPTER:</u>

I. R.M. Salah, G. R. Alves, S. K. Talal, C. Viegas and P. Guerreiro, "A Community of Practice around Online Labs in Iraq: Towards Effective Support for Academics and Educational Systems in the MENA Region", in Global Voices in Higher Education, Edition Book, Susan (Sue) L. Rene Editor, University of Alaska Fairbanks, Fairbanks, Alaska, USA, 2017. <u>https://www.intechopen.com/books/global-voices-in-higher-education/a-community-of-practicearound-online-labs-in-iraq-towards-effective-support-for-academics-and-highe</u>

B) JOURNAL:

- R.M. Salah, "The Impact of Virtual Learning Environments on the Digitalization of Higher Education in the Kurdistan Region-Iraq", Science Journal of University of Zakho (SJUOZ) 13 (3), pp. 98-104, 2022, doi: <u>https://doi.org/10.25271/sjuoz.2022.10.3.875</u>
- 2. S. Shrestha; A. Alsadoon; **R.M. Salah**; R. S. Ali; and P.W.C. Prasad, "Block Chain Technology for e-Commerce Security: Enhanced Elliptical Curve Integrated Encryption (EECIE)", Egyptian Informatics Journal. (Accepted)
- 3. D. Atrushi, **R.M. Salah**, and N. S. Ahmed. "Integrating Enterprise Resource Planning with the Organizations' Management Structure for Decision Making", ARO-The Scientific Journal of Koya University, 8(2), pp. 34-39. doi: 10.14500/aro.10649.
- D.H. Abdulazeez, R.M. Salah, "Developing an Ontology for Retrieving Massive Open Online Courses (MOOC) Information in Coursera Platform", Journal of Duhok University (JDU), 32(1), pp. 103-114, 2020. <u>http://journal.uod.ac/index.php/uodjournal/article/view/623</u>
- D.H. Abdulazeez, R.M. Salah, G.R. Alves. "A Framework for Enhancing Higher Education in the Kurdistan Region of Iraq through a dedicated MOOC platform", The Journal of Duhok University (JDU), 32(1), pp. 81-93, 2020. <u>http://journal.uod.ac/index.php/uodjournal/article/view/621</u>
- 6. **R.M. Salah**, G.R. Alves, P. Guerreiro, and I. Gustavsson. "Using UML Models to Describe the VISIR System", International Journal of Online Engineering (iJOE), 12(6), pp. 34-42, 2016. https://online-journals.org/index.php/i-joe/article/view/5707
- 7. **R.M. Salah**, P. Guerreiro, and G.R. Alves." IT-Based Education with Online Labs in the MENA Region: Profiling the Research Community" International Journal of Human Capital and

Information Technology Professionals (IJHCITP), 6(4), pp. 1-21, 2015. <u>https://www.igi-global.com/article/it-based-education-with-online-labs-in-the-mena-region/133197</u>

 Y.T. Mustafa, R.T. Ali, and R.M. Najimaldeen. "Monitoring and evaluating land cover change in the Duhok city, Kurdistan Region-Iraq, by using remote sensing and GIS", International Journal of Engineering Inventions, pp. 28-33, 2012. <u>http://www.ijeijournal.com/papers/v1i11/E01112833.pdf</u>

C) <u>CONFERENCE:</u>

- 1. S. H. Haji, K. Jacksi, R. M. Salah, "Systematic Review for Selecting Methods of Document Clustering on Semantic Similarity of Online Laboratories Repository," Intelligent Technologies and Robotics Intelligent Technologies and Robotics (R0), V. 1431, I-CR Conference, Athens, Greece, August 11, 2022. Pp. 239-252, Publisher: Springer.
- 2. M. Burhan, R.M. Salah, S. Patel, S. Altaf, A.A. Alwan, S.I. Ali, "Hybrid Model for Predicting Educational Use of Mobile Cloud Computing Services in Higher Education," Intelligent Technologies and Robotics Intelligent Technologies and Robotics (R0), V. 1431, I-CR Conference, Athens, Greece, August 11, 2022. Pp. 483-489 Publisher: Springer.
- Chamakura, Prasad Shreyanth R., P. W. C., A. A. Albabawat, H. Kaur, Q. U. Nizamani, R.M. Salah. "Artificial Intelligence-Based Image Classification Techniques for Clinician Diagnosis of Skin Cancer", Intelligent Technologies and Robotics Intelligent Technologies and Robotics (R0), V. 1431, I-CR Conference, Athens, Greece, August 11, 2022. Pp. 102-111, Publisher: Springer.
- K. Tandukar, R. M. Salah, N. AlSallami, S. Altaf, S. Ahmed, G. Sandhu, "DTR Taxonomy on 3D Computer Aided Simulation of Image Processing Expansion in Facial Maxillary Surgery: An Extensive Review", Intelligent Technologies and Robotics Intelligent Technologies and Robotics (R0), V. 1431, I-CR Conference, Athens, Greece, August 11, 2022. Pp. 112-120, Publisher: Springer.
- U. K. Gautam, T. A. Rashid, Q. U. Nizamani, R. Mubasher, N. Costadopoulos, R. M. Salah, A. Alrubaie, "Deep Learning Algorithm for Predicting Drug Synergy Against Cancer: Data, Drug Feature Extraction, Prediction and View (DDPV) Taxonomy", Intelligent Technologies and Robotics Intelligent Technologies and Robotics (R0), V. 1431, I-CR Conference, Pp. 261-269, Athens, Greece, August 11, 2022. Publisher: Springer.
- M. Chen, A. A. Al-Babawat, A. Alsadoon, S. Patel, R.M. Salah, P.W.C. Prasad, "Modify Flipped Model of Co-regulation and Shared-regulation Impact in Higher Education, and Role of Facilitator on Student's Achievement", The 2021 International Conference on Computational Science and Computational Intelligence (CSCI), Publisher: IEEE, Las Vegas- Nevada, USA, 15-17 December 2021.
- A. Jafarian, R.M. Salah, A. Alsadoon, S. Patel, G. R. Alves, P.W.C. Prasad, "Modify Flipped Model of Co-regulation and Shared-regulation Impact in Higher Education, and Role of Facilitator on Student's Achievement", The 2021 International Conference on Computational Science and Computational Intelligence (CSCI), Publisher: IEEE, Las Vegas- Nevada, USA, 15-17 December 2021.

- M. M. Silva, A. V. Fidalgo, A. Marques, G. R. Alves, R.M. Salah Salah, F. L. Jacob, "A comprehensive VISIR bibliographical reference", 2021 World Engineering Education Forum/Global Engineering Deans Council (WEEF/GEDC), Publisher: IEEE, Madrid, Spain, pp. 468-475, 2021, DOI: 10.1109/WEEF/GEDC53299.2021.9657332
- F. García-Loro, A. Macho, M. Castro, G. R Alves, M. A. Marques, N. Lima, L. Rodríguez-Gil, Razwan Najimaldeen, R. M. Fernández, "Remote laboratory VISIR: recent advances, initiatives, federation, limitations and future", 2021 IEEE Global Engineering Education Conference (EDUCON), Publisher: IEEE, Vienna, Austria, pp. 1754-1757, 2021, DOI: <u>10.1109/EDUCON46332.2021.9453961</u>
- S. Manohar, A. Alsadoon, P.W.C. Prasa, R.M. Salah, A. Maag, Y. Murugesan, "A Novel Augmented Reality Approach in Oral and Maxillofacial Surgery: Super-Imposition Based on Modified Rigid and Non Rigid Iterative Closest Point", Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2020), Publisher: IEEE, Sydney, Australia, pp. 1-10, 2021. DOI: <u>10.1109/CITISIA50690.2020.9371785</u> (*Best Paper*)
- 11. D. T. Vujjini, R.M. Salah, A. Alsadoon, P.W.C. Prasad, "Survey on Real-Time Tracking and Treatment of Infectious Diseases Using Mixed Reality in Visualisation Technique with Autoimmune Therapy", Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2020), Publisher: IEEE, Sydney, Australia, pp. 1-9, 2021. DOI: <u>10.1109/CITISIA50690.2020.9371853</u>
- T. Parasapogu, I. Seher, R.M. Salah, A. A. Alwan, "DFA Taxonomy for the classification of ECG data for effective health monitoring using ML technology", Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2020), Publisher: IEEE, Sydney, Australia, pp. 1-10, 2021. DOI: <u>10.1109/CITISIA50690.2020.9371859</u>
- B. Ahamed, D. Yuvaraj, R.M. Salah, "Enhancement Framework of Semantic Query Expansion Using Mapped Ontology", 2020 International Conference on Computer Science and Software Engineering (CSASE), Publisher: IEEE, Duhok, Kurdistan Region-Iraq, pp. 56-60, 2020. DOI: <u>10.1109/CSASE48920.2020.9142093</u>
- R.M. Salah, J. Cecil, D. Atrushi, "Collaborative Remote Laboratories for Serving Sciences and Engineering Education in Iraq: REXNet Project," International Conference on Advanced Science and Engineering (ICOASE2018), Publisher: IEEE, Duhok, Kurdistan Region-Iraq, pp. 134-139, 2018. DOI: <u>10.1109/ICOASE.2018.8548885</u>
- 15. R.M. Salah, G.R. Alves, B. Datkiewicz, P. Guerreiro, and I. Gustavsson. "VISIR System @ BTH, Deusto, ISEP, and UNED Institutes: Assisting and Supporting Hands-On Laboratories to Serve Higher Education Students", 8th annual International Conference of Education, Research and Innovation (iCERi 2015), Publisher: The International Academy of Technology, Education and Development (IATED), Seville, Spain, pp. 2535-2547, 2015. https://library.iated.org/view/SALAH2015VIS
- 16. R.M. Salah, P. Guerreiro, and G.R. Alves. "A Federation of Online Labs for Assisting Engineering and Sciences Education in the MENA Region", International conference of Technological Ecosystems for Enhancing Multiculturality (TEEM2015), pp. 651–658, 2015. <u>https://dl.acm.org/doi/abs/10.1145/2808580.2808680</u>

- 17. R.M. Salah, G.R. Alves, D.H. Abdulazeez, P. Guerreiro, and I. Gustavsson. "Why VISIR? Proliferative Activities and Collaborative Work of VISIR System" 7th annual International Conference on Education and New Learning Technologies (EDULEARN15), Publisher: The International Academy of Technology, Education and Development (IATED), Barcelona, Spain, pp. 3824-3835, 2015. <u>https://library.iated.org/view/SALAH2015WHY</u>
- R.M. Salah, G.R. Alves, and P. Guerreiro. "Reshaping Higher Education Systems in the MENA Region: The Contribution of Remote and Virtual Labs", 11th International Conference on Remote Engineering and Virtual Instrumentation (REV), Publisher: IEEE, Porto, Portugal, pp. 240-245, 2014. DOI: <u>10.1109/REV.2014.6784265</u>
- 19. **R.M. Salah**." Remote Labs to improve Engineering Education in the MENA Region" International Conference on Engineering Education and Research (iCEER 2013), Marrakesh, Morocco, 2013.

CONFERENCE PRESENTATION AND PARTICIPATION

- 1. The 2022 International Conference on Innovations in Computing Research (ICR'22), Athens, Greece, August 29-31, 2022.
- 2. The 2021 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas- Nevada, USA, 2021.
- 3. Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2021), Sydney, Australia, 2021.
- 4. 2021 IEEE Global Engineering Education Conference (EDUCON2021), Vienna, Austria, 2021.
- 5. International Conference on Advanced Science and Engineering (ICOASE2020), Duhok, Kurdistan Region-Iraq, 2020.
- 6. Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2020), Sydney, Australia, 2020.
- 7. 2020 International Conference on Computer Science and Software Engineering (CSASE), Duhok, Kurdistan Region-Iraq, 2020.
- 8. International Conference on Advanced Science and Engineering (ICOASE2019), Duhok, Kurdistan Region-Iraq, 2019.
- 9. 5th International Engineering Conference on Developments in Engineering Applications (IEC 2019), Erbil, Kurdistan Region-Iraq, 2019.

https://www.ishik.edu.iq/conf/iec/utilising-computer-technologies-in-daily-life-application/

10. International Conference on Advanced Science and Engineering (ICOASE2018), Duhok, Kurdistan Region-Iraq, 2018. <u>https://icoase2018.uoz.edu.krd/</u>

RAZWAN M.S. NAJIMALDEEN, PHD

- 11. 5th Kurdistan International Conference on Science and Technology, Duhok, Kurdistan Region-Iraq, 2018. <u>http://web.uod.ac/ac/c/cos/international-conference-for-sci-and-tech/about/</u>
- 12. International Conference on Advanced Science and Engineering (ICOASE2018), Duhok, Kurdistan Region-Iraq, 2018. <u>https://icoase2018.uoz.edu.krd/</u>
- 13. International Conference on Remote Engineering and Virtual Instrumentation (REV), Madrid, Spain, 2016.
- International conference of Technological Ecosystems for Enhancing Multiculturality (TEEM), Porto, Portugal, 2015.
- 15. 8th annual International Conference of Education, Research and Innovation (iCERi), Seville, Spain, 2015.
- 16.7th annual International Conference on Education and New Learning Technologies (EDULEARN), Barcelona, Spain, 2015.
- 17. International Conference on Remote Engineering and Virtual Instrumentation (REV), Porto, Portugal, 2014.
- International Conference on Engineering Education and Research (iCEER), Marrakesh, Morocco, 2013.
- 19. IEEE Global Engineering Education Conference (EDUCON), Berlin, Germany, 2013.
- 20. Next Generation Networks and Services Conference (NGNS), Faro, Portugal, 2012.

PROFESSIONAL TRAINING AND WORKSHOP

- 1. Guest Lecturer, 11 May, 2020, Real-Life Experience in Virtual Reality, India, Webinar Workshop.
- 1. Fifth International Engineering Conference on Developments in Engineering Applications (IEC2019), Tishk International University, Erbil, Kurdistan Region-Iraq, 2019.
- 2. REXNet Project, 15-20 May 2017, Center for Cyber Physical System (CCPS), Oklahoma State University (OSU), Oklahoma City, USA.

http://web.uod.ac/facilities/it-services/rexnet-project/activities/rexnet-project--participate-twomembers-of-college-of-science-in-the-workshop-at-oklahoma-state-university-united-states/

- 3. Skype Video Conference on Online Labs for Assisting Engineering and Science Education, 17 December 2015, University of Zakho, Duhok, Kurdistan Region-Iraq. http://uoz.edu.krd/news.php?NID=ODY=40jboF5b
- 4. TOEFL ITP administration, 21-23 November 2009, ETS Global, Amman, Jordan.
- 5. Java2 Enterprise Edition (J2EE), 2 February to 28 March 2009, JobKey Training center, University Utara Malaysia, Kadah, Malaysia.
- 6. Model-Based Systems for Industrial Applications, 27 February 2008, organized by Collage Arts and sciences, University Utara Malaysia: Malaysia.
- 7. Applying Data Mining Techniques Using Enterprise Miner, 12-14 August 2008, SAS Center, University Utara Malaysia: Malaysia.
- 8. Networking (CCNA1), 12 October to 08 December 2006, University of Duhok, Duhok, Kurdistan Region, Iraq.

PROFESSIONAL SERVICE

SYMPOSIUM ORGANIZER (COMMITTEE PROGRAM CONFERENCES)

- 1. International Conference on Innovations in Computing Research (ICR'22), Athens, Greece, August 29-31, 2022.
- 2. International Conference on Health Informatics and Medical Systems (HIMS), Las Vegas, USA, July 25-28, 2022.
- 3. International Conference on Computer Science and Software Engineering (CSASE2022), Duhok, Kurdistan Region-Iraq, 2022.
- 4. Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2021), Sydney, Australia, 2021.
- 5. Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2021), Sydney, Australia, 2021.
- 6. World Engineering Education Forum (WEEF GEDC 2021), Madrid, Spain, 2021.
- 7. Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2020), Sydney, Australia, 2020.
- 8. International Conference on Computer Science and Software Engineering (CSASE2020), Duhok, Kurdistan Region-Iraq, 2020.
- 9. International Conference on Advanced Science and Engineering (ICOASE2018, ICOASE2019, and ICOASE2019), Duhok, Kurdistan Region-Iraq, 2018, 2019. 2020.

- 10. The 5th Kurdistan International Conference On Science and Technology (KCST2019), Duhok, Kurdistan Region-Iraq, 2019.
- 11. International Conference on Remote Engineering and Virtual Instrumentation (REV), Porto, Portugal, 2014.
- 12. International Conference on Engineering Education and Research (iCEER), Marrakesh, Morocco, 2013.
- 13. Next Generation Networks and Services Conference (NGNS), Faro, Portugal, 2012.

EXTERNAL EXAMINER (THESIS EVALUATION)

- 1. Rawan A. Al-Rashid Agha, "A Virtual & An Augmented Reality Application of the Rashid Agha's Diwan Khanah In the Citadel of Erbil Using 360° 3D Lidar", University of Kurdistan Hewlêr, Erbil, Kurdistan Region-Iraq, 2019.
- 2. Bareen Shams Aldeen Tahir, "Proposed a Fractal-based System in higher Education Institute of Kurdistan Region Regarding the Management of Student Registration System", Duhok Polytechnic University, Duhok, Kurdistan Region-Iraq, 2020.

PEER-REVIEWED ARTICLES SERVICE

- 1. International Journal of Human-Computer Interaction Journal, Taylor & Francis, 2022.
- 2. Conference on Innovations in Computing Research (ICR'22), Athens, Greece, 2022.
- 3. Conference on Emerging Technologies and Intelligent Systems (ICETIS 2022), UAE.
- 4. International Conference on Advanced Science and Engineering (ICOASE2022), Duhok, Kurdistan Region-Iraq, 2022
- 5. Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2021), Sydney, Australia, 2021.
- 6. World Engineering Education Forum (WEEF GEDC 2021), Madrid, Spain, 2021.
- 7. International Conference on Advanced Science and Engineering (ICOASE2020), Duhok, Kurdistan Region-Iraq, 2020.
- 8. Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2020), Sydney, Australia, 2020.
- 9. International Scientific Conference on Information Technology to enhance E-learning and other Applications (IT_ELA2020), Baghdad, Iraq, 2020.

- 10. 2020 International Conference on Computer Science and Software Engineering (CSASE2020), Duhok, Kurdistan Region-Iraq.
- 11. 2nd International Iraqi Conference on Engineering Technology and its Applications (2nd-IICETA-2019), Najaf, Iraq.
- 12. The Journal of Duhok University (JDU). University of Duhok, Duhok, Kurdistan Region-Iraq.
- 13. The Journal of Applied Science and Technology Trends (JASTT). Zaxo, Kurdistan Region-Iraq.
- 14. International Conference on Advanced Science and Engineering (ICOASE2018 and ICOASE2019). Duhok, Kurdistan Region-Iraq.
- 15. International Conference on Remote Engineering and Virtual Instrumentation (REV), 2016. Madrid, Spain.
- 16. Information Technology & People Journal (ITP), 2015.
- 17. International Conference on Remote Engineering and Virtual Instrumentation (REV), 2014. Porto, Portugal.

COMMUNITY SERVICE

- 1. Chair Session in International Conference on Innovations in Computing Research (ICR'22), Athens, Greece, 2022.
- 2. Chair Session in International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas- Nevada, USA, 2022.
- 3. Chair Session in Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2021), Sydney, Australia, 2021.
- 4. Chair Session in International Conference on Advanced Science and Engineering (ICOASE2020), Duhok, Kurdistan Region-Iraq, 2020.
- 5. Chair Session in Conference on Innovative Technologies in Intelligent Systems & Industrial Applications (CITISIA 2020), Sydney, Australia, 2020.
- 6. Chair Session in 2020 International Conference on Computer Science and Software Engineering (CSASE2020), Duhok, Kurdistan Region-Iraq.
- 7. Chair Session in the 2020 International Conference on Computer Science and Software Duhok, Engineering (CSASE2020), Kurdistan Region-Iraq.
- 8. Editorial Board of the Journal of Duhok University (JDU) (2019-2021). http://journal.uod.ac/index.php/uodjournal/about/editorialTeam
- 9. Editorial Board of the Journal of Applied Science and Technology Trends (JASTT) (2019-yet)
- 10. Scientific Committee at Computer Science Department (2017-2020)

RAZWAN M.S. NAJIMALDEEN, PHD

- 11. Track Chair in the National Committee Program in International Conference on Advanced Science and Engineering (ICOASE2019).
- 12. Chair Session in the National Committee Program in International Conference on Advanced Science and Engineering (ICOASE2018 and ICOASE2019).
- 13. Evaluated online labs project: <u>http://relle.ufsc.br/</u>
- 14. Maintained the source code of VISIR "UI" in order to support two additional languages (Arabic and Kurdish) and installed these two languages at ISEP. http://svn.openlabs.bth.se/trac/openlabsweb/changeset/450
- 15. Participated in Imagine Cup competition (2011 and 2012).
- 16. Part time employee at Zakroz Company for Computer Services (Maintenance & Communication of Networks), Duhok, Kurdistan Region, Iraq.
- 17. Worked as network manager in College of Science, University of Duhok, Duhok, Kurdistan Region, Iraq.

LANGUAGES

KURDISH: Native Language ARABIC: Advanced (Listener, Speaker, Reading and Writing) ENGLISH: Very Good (Listener, Speaker, Reading and Writing) PORTUGUESE: Basic Listener, Novice (Speaker and Reading)

REFERENCES

Prof. Dr. Pedro Guerreiro Department of Computer Science Department, Universidade do Algarve, Algarve, Portugal <u>pjguerreiro@ualg.pt</u>

Prof. Dr. Gustavo R. Alves Department of Electrical Engineering, Polytechnic of Porto - School of Engineering, CIETI, Porto, Portugal <u>gca@isep.ipp.pt</u>

Prof. Dr. Abeer Alsadoon DaMRG - Data Mining Research Group, Charles Sturt University,

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Prof. Dr. Hamadou Saliah-Hassane Department of Science and Technology, LICEF Research Center. University of Quebec, Quebec, Canada <u>hamadou.saliah-hassane@teluq.ca</u>