CURRICULUM VITAE

Personal Information:

Full Name: Hamza Mohammed Ridha Yahya Al-Khafaji

Birth Date: February 22, 1982

Place of Birth: Baghdad, Iraq

Gender: Male

Marital Status: Married (one child)

Nationality: Iraqi

Mobile: 00964-7728158480

E-mail: hamza.alkhafaji@mustaqbal-college.edu.iq

Languages: Fluent in English and Arabic.

Educational Summary:

- **January 2011 – May 2014:**

    Ph.D. in Communications Engineering

    School of Computer and Communication Engineering,

    University Malaysia Perlis, Perlis, Malaysia.

    Thesis Title: Novel Detection Techniques for SAC-OCDMA Systems

    Supervisor: Prof. Dr. Syed Alwee Aljunid Bin Syed Junid

- **September 2004 – December 2007:**

    M.Sc. in Modern Communications Engineering

    Electronic and Communications Engineering Department,

    Nahrain University, Baghdad, Iraq.

    Courses: Digital Communications, Optical Communications, Digital Image Processing, Microwave Engineering, Digital Signal Processing, Reliability Theory, Signal Sampling and Reconstruction, Optimum Filtering and Prediction, Technical English (for academic writing).

    Thesis Title: Performance Evaluation of Frequency Coded Optical CDMA

    Supervisor: Prof. Dr. Raad Sami Fyath

- **September 2001 – September 2004:**

    B.Sc. in Electronic and Communications Engineering (Hons)

    Electronic and Communications Engineering Department,

    Nahrain University, Baghdad, Iraq.

Final Year Project Title: Design and Construction of an Electronic Alarm System

Professional Experience:

- **September 2015 – Until now**

  Al-Mustaqbal University College, Babylon, Iraq

  A- *Biomedical Engineering Department*

  Title: **Deputy Head of Department**

  B- *Computer Techniques Engineering Department*

  Title: **Lecturer & Head of Computer Communication Networks Branch**

  Responsibilities:

  1- Teaching: digital communications, optical communications, electronics, electrical circuits, computer programming.

  2- Conducting and processing examinations.

  3- Member, department scientific committee.

  4- Arranging and participating in scientific seminars within the department.

  5- Supporting management tasks within the department and college.

  6- Conducting research and publish papers.

  7- Supervising final year students in their projects.

- **April 2014 – March 2015**

  Title: **Post-Doctoral Researcher**

  HICoE Wireless Communication Centre, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia

  Project Title: A Novel, Spectrally Efficient, Highly Secure, and Cost Effective Transceiver Design for 10 Gbps Incoherent OCDMA Systems

  Responsibilities:

  1- Conduct a research related to the proposed project and publish papers.

  2- Support 2 Ph.D. and 1 M.Sc. students in their research to publish papers.

  Stella Ifeoma Orakwue (Ph.D. Student)

  Bushra Naeem (Ph.D. Student)

  Nor Adibah Ibrahim (M.Sc. Student)

- **September 2011 – November 2013**

  Title: **Graduate Assistance (GA)**

  School of Computer and Communication Engineering, University Malaysia Perlis, Perlis, Malaysia

  Responsibilities:

1- Supervise optoelectronics communications laboratory sessions for undergraduate students.

2- Assist final year students in their projects.

3- Support M.Sc. students who work on the same area of my Ph.D. research.

- **September 2008 ─ October 2010**

  Title: **Senior BSS Engineer**

  Omnnea for Wireless Telecommunications Company, Baghdad, Iraq

  Projects and Responsibilities:

  1- Technical supervision for the hardware and software installation of large capacity CDMA-BSC6600 and 17 CDMA-BTS3606C sites in Baghdad.

  2- Technical supervision for the installation of expansion project to the existing large capacity CDMA-BSC6600 in Hilla.

  3- Follow all maintenance and troubleshooting issues with other team members and update them tasks and support them.

  4- Collect suitable candidates and make interview with them and select the best to involve him with BSS team according to company requirements.

  5- Update all the reports related to network owner monitoring every week and finish BSS system performance analysis KPI report and send it to Huawei side.

  6- Communicate and discuss with power, TR, RF, deployment, NSS and IN regards pending issues.

  7- Escalate and follow up BSS technical tickets with Huawei TAC.

  8- Perform system backup for all BSC's and sites weekly.

  9- Support OMC engineers regarding their questions and operations.

- **February 2006 – July 2008**

  Title: **CDMA-BSS and PS Engineer**

  Huawei Technologies Company (Chinese provider of telecommunication equipments), Sulaymaniah, Iraq

  Projects and Responsibilities:

  1- One year of maintenance for the CDMA-WLL system in Sulaymaniah for Midya Telecomm Company.

  2- One month of maintenance for the CDMA-WLL system in Baghdad for Iraqi Telecommunications and Post Company (ITPC).

  3- Two months of maintenance for the CDMA-WLL system in Erbil for Ariafon Company.

  4- Installing 15 CDMA-BTS3606 EVDO sites for the CDMA-WLL network in Erbil for Ariafon Company.

5- Installing and commissioning of small capacity CDMA-BSC6600 + PDSN 9660 in Basra for IraqTel Company.

6- Installing and commissioning of large capacity CDMA-BSC6600 and 13 CDMA-BTS3606 1X and EVDO sites in Basra for Itisaluna Company.

7- Technical supervision for the installation and commissioning of large capacity CDMA-BSC6600 + PDSN 9660.

8- Supervision for installing 33 CDMA-BTS3606C sites in Baghdad, Hilla, Najaf and Karbala for Omnnea Wireless Telecommunications Company.

9- Give full details training for Huawei subcontractors and customers when required with excellent abilities of teaching and learning.

Publications:

Impact Factor Journals:

1- **Hamza M. R. Al-Khafaji**, Razali Ngah, S. A. Aljunid, and T. A. Rahman, "A new two-code keying scheme for SAC-OCDMA systems enabling bipolar encoding," Journal of Modern Optics, vol. 62, no. 5, pp. 327-335, 2015, Publisher: Taylor & Francis, United Kingdom. **(Impact Factor: 1.166)**

2- Stella I. Orakwue, Razali Ngah, T.A. Rahman, Siti Z. Mohd Hashim, and **Hamza M.R. Al-Khafaji**, "Implementation of switched beam smart antenna using artificial neural network," Wireless Personal Communications, vol. 83, no. 1, pp. 87-98, 2015, Publisher: Springer, Netherlands. **(Impact Factor: 0.979)**

3- **H. M. R. Al-Khafaji**, S. A. Aljunid, A. Amphawan, H. A. Fadhil, and A. M. Safar, "Reducing BER of spectral-amplitude coding optical code-division multiple-access systems by single photodiode detection technique," Journal of the European Optical Society, vol. 8, 13022, 2013, Publisher: European Optical Society, Germany. **(Impact Factor: 1.152)**

4- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, Angela Amphawan, and Hilal A. Fadhil, "SOA/SPD-based incoherent SAC-OCDMA system at 9×5 Gbps," IEICE Electronics Express, vol. 10, no. 5, 20130044, 2013, Publisher: Institute of Electronics, Information and Communication Engineers (IEICE), Japan. **(Impact Factor: 0.391)**

5- Hilal A. Fadhil, Angela Amphawan, Hasrul A. B. Shamsuddin, Thanaa Hussein Abd, **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Nasim Ahmed, "Optimization of free space optics parameters: An optimum solution for bad weather conditions," Optik - International Journal for Light and Electron Optics, vol. 124, no. 19, pp. 3969–3973, 2013. Publisher: Elsevier GmbH, Urban & Fischer Verlag, Germany. **(Impact Factor: 0.769)**

6- **H. M. R. Al-Khafaji**, S. A. Aljunid, and H. A. Fadhil, "Spectral efficiency analysis of bipolar spectral-amplitude coding optical code-division multiple-access systems using different one-dimensional codes," IET Optoelectronics Journal, vol. 6, no. 5, pp. 215–222, 2012, Publisher: The Institution of Engineering and Technology, United Kingdom. **(Impact Factor: 0.966)**

7- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Improved BER based on intensity noise alleviation using developed detection technique for incoherent SAC-OCDMA systems," Journal of Modern Optics, vol. 59, no. 10, pp. 878–886, 2012, Publisher: Taylor & Francis, United Kingdom. **(Impact Factor: 1.166)**

8- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, Angela Amphawan, and Hilal A. Fadhil, "Improving spectral efficiency of SAC-OCDMA systems by SPD scheme," IEICE Electronics Express, vol. 9, no. 24, pp. 1829–1834, 2012, Publisher: Institute of Electronics, Information and Communication Engineers (IEICE), Japan. **(Impact Factor: 0.391)**

9- Hilal A. Fadhil, S. A. Aljunid, Hassan Y. Ahmad, and **Hamza M. R. AlKhafaji**, "Variable cross-correlation code construction for spectral amplitude coding optical CDMA networks," Optik - International Journal for Light and Electron Optics, vol. 123, no. 11, pp. 956–963, 2012. Publisher: Elsevier GmbH, Urban & Fischer Verlag, Germany. **(Impact Factor: 0.769)**

Indexed Journals:

10- **Hamza M. R. Al-Khafaji**, Razali Ngah, Alaa J. Mousa, S. A. Aljunid, "Spectrally efficient SAC-OCDMA system using a new two-code keying scheme," International Journal of Information and Communication Sciences, vol. 1, no. 2, pp. 30-34, 2016.

11- IS Amiri, and **Hamza M. R. Al-Khafaji**, "Panda microring resonator (PMRR) to generate 90 GHz free spectral range (FSR) solitonic signals used for telecommunication applications." International Journal of Information and Communication Sciences, vol. 1, no. 1, pp. 1-8, 2016.

12- I. S. Amiri, and **Hamza M. R. Al-Khafaji**, "Widely wavelength-tunable solitonic pulse generation using InGaAsP/InP microring resonators," International Journal of Information and Communication Sciences, vol. 1, no. 1, pp. 9-15, 2016.

13- Nor Adibah Ibrahim, Razali Ngah, and **Hamza M. R. Al-Khafaji**, "ICI alleviation in OFDM system utilizing scale alpha pulse shaping," Research Journal of Applied Sciences, Engineering and Technology, vol. 10, no. 1, pp. 45-48, 2015.

14- Stella Ifeoma Orakwue, Razali Ngah, T.A. Rahman, and **Hamza M. R. Al-Khafaji**, "A 4 × 4 Butler matrix for 28 GHz switched multi-beam antenna," International Journal of Engineering and Technology (IJET), vol. 7, no. 2, pp. 436-442, 2015.

15- IS Amiri, H. Ahmad, and **Hamza M. R. Al-Khafaji**, "Full width at half maximum (FWHM) analysis of solitonic pulse applicable in optical network communication," American Journal of Networks and Communications, vol. 4, no. 2-1, pp. 1–5, 2015.

16- IS Amiri, H. Ahmad, and **Hamza M. R. Al-Khafaji**, "A review of ultra-short soliton pulse generation using InGaAsP/InP micoring resonator (MRR) systems," American Journal of Networks and Communications, vol. 4, no. 2-1, pp. 6–17, 2015.

17- Nor Adibah Ibrahim, Razali Ngah, and **Hamza M. R. Al-Khafaji**, "Inter-carrier interference mitigation in OFDM system using a new pulse shaping approach," International Journal of Engineering and Technology (IJET), vol. 6, no. 6, pp. 2738-2746, 2014.

18- Sarah G. Abdulqader, Syed A. Aljunid, **Hamza M. R. Al-Khafaji**, and Hilal A. Fadhil, "Enhanced performance of SAC-OCDMA system based on SPD detection utilizing EDFA for access networks," Journal of Communications, vol. 9, no. 2, pp. 99–106, 2014.

19- M. Z. Norazimah, S. A. Aljunid, **Hamza M. R. Al-Khafaji**, Hilal A. Fadhil, and M. S. Anuar, "Channel spacing effect on SAC-OCDMA system based Modified-AND subtraction detection scheme," Key Engineering Materials, vol. 594, pp. 1059–1065, 2014.

20- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, Angela Amphawan, Hilal A. Fadhil, and Anuar M. Safar, "Phase-induced intensity noise reduction with improved group velocity dispersion tolerance in SAC-OCDMA systems," International Journal of Engineering and Technology (IJET), vol. 5, no. 1, pp. 95–100, 2013.

21- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, Angela Amphawan, Hilal A. Fadhil, and Anuar M. Safar, "APD gain effect on SAC-OCDMA system using Modified-AND detection technique," Journal of Theoretical and Applied Information Technology, vol. 53, no. 3, pp. 467–471, 2013.

22- Hilal A. Fadhil, Feras N. Hasoon, S. A. Aljunid, Hassan Y. Ahmad, and **Hamza M. R. Al-Khafaji**, "Performance of optical OFDM systems using new PAPR reduction approach," Australian Journal of Basic and Applied Sciences, vol. 6, no. 3, pp. 120–127, 2012.

23- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Modified-AND subtraction detection technique based on weight-division for SAC-OCDMA systems," International Journal of Computer and Electrical Engineeing, vol. 4, no. 6, pp. 861–863, 2012.

Indexed International Conferences :

24- **Hamza M. R. Al-Khafaji**, Razali Ngah, S. A. Aljunid, T. A. Rahman, and Marwah Y. Ahmed "A new approach for enabling bipolar encoding in high-rate SAC-OCDMA systems," IEEE 2015 International Conference on Communications, Signal Processing, and their Applications (ICCSPA15), Sharjah, United Arab Emirates (UAE), 17 − 19 Feb 2015.

25- **Hamza M. R. Al-Khafaji**, Razali Ngah, S. A. Aljunid, and T. A. Rahman, "A novel encoding and decoding structure for SAC-OCDMA systems enabling high-rate transmission," IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2014), Johor Bahru, Malaysia, 2014.

26- Stella Ifeoma Orakwue, Razali Ngah, T.A. Rahman, and **Hamza M. R. Al-Khafaji**, "A steerable 28 GHz array antenna using branch line coupler," IEEE 1st International Conference on Telematics and Future Generation Networks (TAFGEN2015), Kuala Lumpur, Malaysia, 26 − 28 May 2015. (Status: Accepted)

27- Nor Adibah Ibrahim, Razali Ngah, and **Hamza M. R. Al-Khafaji**, "Proposal of new pulse shaping method for side lobes reduction in OFDM system," International Conference on Science, Engineering and the Social Sciences (ICSESS 2015), Johor, Malaysia, 11 − 13 May 2015. (Status: Accepted)

28- Noriffah Abd Latif, Razali Ngah, **Hamza M. R. Al-Khafaji**, T. Prakoso, and N.S.M. Noor, "Development of central base station for radio over fiber system," IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2014), Johor Bahru, Malaysia, 2014.

29- **Hamza M. R. Al-Khafaji**, Razali Ngah, S. A. Aljunid, and T. A. Rahman, "An innovative encoding/decoding architecture based on two-code keying for SAC-OCDMA systems," IEEE 5th International Conference on Photonics (ICP2014), Kuala Lumpur, Malaysia, 2014.

30- M. Z. Norazimah, S. A. Aljunid, **Hamza M. R. Al-Khafaji**, and M. S. Anuar, " Investigating security of data retrieval for different detection techniques in SAC-OCDMA systems," IEEE 2nd International Conference on Electronic Design (ICED 2014), Penang, Malaysia, 2014.

31- M. Z. Norazimah, S. A. Aljunid, **Hamza M. R. Al-Khafaji**, and M. S. Anuar, "Impact of different transceiver design on the performance of SAC-OCDMA systems," IEEE 2nd International Conference on Electronic Design (ICED 2014), Penang, Malaysia, 2014.

32- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, Angela Amphawan, and Hilal A. Fadhil, "Enhanced probability density function using APD in SAC-OCDMA systems based SPD technique," IEEE Symposium on Industrial Electronics and Applications (ISIEA 2013), Kuching, Malaysia, 2013.

33- M. Z. Norazimah, S. A. Aljunid, **Hamza M. R. Al-Khafaji**, Hilal A. Fadhil, and M. S. Anuar, "Performance of different SAC-OCDMA detection schemes with NRZ and RZ data formats," IEEE Symposium on Industrial Electronics and Applications (ISIEA 2013), Kuching, Malaysia, 2013.

34- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Single photodiode detection for interference elimination in SAC-OCDMA systems," IEEE 4th International Conference on Photonics (ICP 2013), Melaka, Malaysia, pp. 41–43, 2013.

35- Sarah G. Abdulqader, S. A. Aljunid, **Hamza M. R. Al-Khafaji**, and Hilal A. Fadhil, "Investigation of transmission performance for SAC-OCDMA system under long haul transmission distance based on single photodiode detection technique," IEEE 11th Malaysia International Conference on Communication (MICC 2013), Kuala Lumpur, Malaysia, 2013.

36- Hilal A. Fadhil, Thanaa H. Abd, **Hamza M. R. Al-Khafaji**, and S. A. Aljunid, "WDM and OCDMA Systems under MAI effects: a comparison analysis," World Academy of Science, Engineering and Technology (WASET 2012), Venice, Italy, Vol. 64, pp. 110–113, 2012.

37- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Improved probability density function using Modified-AND detection technique for incoherent SAC-OCDMA systems," IEEE 4th International Conference on Computer and Communication Engineering (ICCCE 2012), Kuala Lumpur, Malaysia, art. no. 6271234, pp. 531–534, 2012.

38- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, Angela Amphawan and Hilal A. Fadhil, "Triple-play services using different detection techniques for SAC-OCDMA systems," IEEE 3rd International Conference on Photonics (ICP 2012), Penang, Malaysia, art. no. 6379819, pp. 350–354, 2012.

39- M. Z. Norazimah, **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Performance comparison of different detection techniques in long-haul fiber SAC-OCDMA systems," IEEE 3rd International Conference on Photonics (ICP 2012), Penang, Malaysia, art. no. 6379820, pp. 199–203, 2012.

40- Hilal A. Fadhil, **Hamza M. R. Al-Khafaji**, Haider J. Abd, and S. A. Aljunid, "New priority-based parameter optimization technique for free space optics under bad weather conditions," IEEE 3rd

International Conference on Photonics (ICP 2012), Penang, Malaysia, art. no. 6379822, pp. 116–120, 2012.

41- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Spectral efficiency of unipolar SAC-OCDMA system considering noise effects," IEEE Symposium on Industrial Electronics and Applications (ISIEA 2011), Langkawi, Malaysia, art. no. 6108702, pp. 218–222, 2011.

42- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Performance enhancement of SAC-OCDMA system using Modified-AND subtraction detection," IEEE International Conference on Computer Applications and Industrial Electronics (ICCAIE 2011), Penang, Malaysia, art. no. 6162170, pp. 412–415, 2011.

43- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Spectral efficiency of incoherent spectral amplitude coding OCDMA system," International Conference on Communication and Broadband Networking (ICCBN 2011), Kuala Lumpur, Malaysia.

44- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Spectral efficiency evaluation of various codes for SAC-OCDMA system using different detection techniques," International Postgraduate Conference on Engineering IPCE2011, Perlis, Malaysia.

45- **Hamza M. R. Al-Khafaji**, S. A. Aljunid, and Hilal A. Fadhil, "Spectral efficiency comparison of SAC-OCDMA systems using unipolar and bipolar encoding techniques," IEEE 2nd International Conference on Photonics (ICP 2011), Kota Kinabalu, Malaysia, art. no. 6106822, pp. 89–93, 2011.

46- Ibrahim Fadhil Radhi, S. A. Aljunid, Hilal A. Fadhil, and **Hamza M. R. Al-Khafaji**, "Performance evaluation of spectral amplitude coding signature sequences for OCDMA systems," IEEE 2nd International Conference on Photonics (ICP 2011), Kota Kinabalu, Malaysia, art. no. 6106878, pp. 252–255, 2011.

47- C. B. M. Rashidi, S. A. Aljunid, F. Ghani, M. S. Anuar, **H. Al-Khafaji**, M. N. Junita, A. R. Arief, "New design of zero cross correlation codes for spectral amplitude coding in OCDMA systems," IEEE 2nd International Conference on Photonics (ICP 2011), Kota Kinabalu, Malaysia, art. no. 6106833, pp. 137–141, 2011.

Citations:

1- Google Scholar

Link:

http://scholar.google.com/citations?hl=en&user=dX0Cbp8AAAAJ&view_op=list_works&pagesize=100

Citations = 301, h Index = 10

2- Scopus Citation Database

   Author ID: 56994326300

   Citations = 178, h Index = 8

Awards:

1- **Gold Medal + Best Product Award** "High capacity OCDMA system using novel flexible cross correlation (FCC) code," Malaysia Technology Expo (MTE 2014), Malaysia.

2- **Silver Medal** "A novel SPD technique for OCDMA network applications," PECIPTA 2013, Malaysia.

3- **Silver Medal** "A novel MDW-OCDMA system using Single Photodiode Detection (SPD) technique for industrial applications," Seoul International Invention Fair (SIIF 2013), South Korea.

4- **Gold Medal + Best Product Award** "A novel Single Photodiode Detection (SPD) technique for optical code division multiple access network applications," Malaysia Technology Expo (MTE 2013), Malaysia.

5- **Gold Medal + Special Award** "High capacity optical CDMA network system using novel Modified Double Weight (MDW) code," IENA 2012, Germany.

6- **Silver Medal** "New optical CDMA system using Modified AND detection technique for next generation network," Malaysia Technology Expo (MTE 2012), Malaysia.

7- **Gold Medal** "An innovative OCDMA detection technique for future access networks applications," Ekspo Rekacipta & Pameran Penyelidikan Universiti Malaysia Perlis 2012, Malaysia.

8- **Gold Medal + Double Gold Award** "Optical CDMA system using Random Diagonal (RD) code," The British Invention Show (BIS 2011), United Kingdom.

9- **Silver Medal** "Triple play services of OCDMA system using random diagonal code," PECIPTA 2011, Malaysia.

Copyrights:

1- **Hamza M. R. Al-Khafaji**, and Razali Ngah "A Novel Two-Code Keying Scheme for Enabling Bipolar Encoding in High-Rate SAC-OCDMA Systems," United Kingdom Copyright Service (UKCS), Registration number: 284680743.

2- S. A. Aljunid, **Hamza M. R. Al-Khafaji**, and Hilal A. Fadhil "Single photodiode detection technique for high-speed optical code-division multiple-access systems," United Kingdom Copyright Service (UKCS), Registration number: 284661011.

3- S. A. Aljunid, **Hamza M. R. Al-Khafaji**, and Hilal A. Fadhil "Modified-AND detection technique based on spectrum division for optical code division multiple access systems," United Kingdom Copyright Service (UKCS), Registration number: 284652007.

Invited Talk:

1- "Current Challenges and Requirements in the Design of Incoherent Optical CDMA Detection Techniques," International Conference and Exhibition on Lasers, Optics, and Photonics (Optics-2013), San Antonio, Texas, USA, 2013.

Membership of Professional Organizations

1- Member of the Iraqi Engineers Union (Registration No. 136224).

2- Member of the Institute of Electrical and Electronics Engineers (IEEE) (Registration No. 93042265).

3- Member of the Institute of Electronics, Information and Communication Engineers (IEICE) (Registration No. 1283367).

4- Member of International Association of Engineers (IAENG) (Registration No. 145382).

5- Senior Member of International Association of Computer Science & Information Technology (IACSIT) (Registration No. 80349568).

Editor-in-Chief

1- International Journal of Information and Communication Sciences (IJICS)

Member of Editorial Board

2- International Journal of Engineering and Industries (IJET).

3- American Journal of Networks and Communications (AJNC).

4- International Journal of Wireless Communications and Mobile Computing (WCMC).

5- Journal of Electrical and Electronic Engineering (JEEE).

Reviewer for Journals

1- IEEE Communications Letters.

2- Journal of Optical Communications and Networking.

3- Journal of the European Optical Society.

4- Optical Fiber Technology.

5- Optical Engineering SPIE.

6- IEEE Transactions on Vehicular Technology.

7- Journal of Computers & Electrical Engineering[1].

8- IETE Technical Review.

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[1] Selected from top five reviewers for the year 2012.

9-Wireless Personal Communications.

10-IET Networks.

11-Photonic Network Communications.

12- Ain Shams Engineering Journal.

13- Recent Advances in Communications and Networking Technology.

14- American Journal of Networks and Communications (AJNC).

15- International Journal of Wireless Communications and Mobile Computing (WCMC).

16- Journal Tehnički Vjesnik – Technical Gazette (TV-TG).

17- Engineers Australia Technical Journals.

Reviewer for Conferences

1- 2nd International Conference in Engineering Sciences (ICES 2018).

2- IEEE International Broadband and Photonics Conference (IBP 2015).

3- IEEE International Conference on Computer, Communication, and Control Technology (I4CT'2015).

4- IEEE 2nd International Symposium on Telecommunication Technologies (ISTT2014).

5- IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2014).

6- IEEE 5th International Conference on Photonics (ICP2014).

7- IEEE 2nd International Conference on Electronic Design (ICED 2014).

8- IEEE 4th International Conference on Photonics (ICP 2013).

9- IEEE Business Engineering and Industrial Applications Colloquium (BEIAC 2013).

10- IEEE Symposium on Computers & Informatics (ISCI 2013).

11- IEEE Student Conference on Research and Development (SCOReD 2012).

12- IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE 2012).

13- IEEE Symposium on Industrial Electronics & Applications (ISIEA 2012).

14- IEEE Symposium on Computers & Informatics (ISCI 2012).

15- IEEE 4th International Conference on Computer and Communication Engineering (ICCCE 2012).

16- IEEE 3rd International Conference on Photonics (ICP 2012).

17- IEEE Symposium Industrial Electronics and Applications (ISIEA 2011).

18- IEEE International Conference on Computer Applications and Industrial Electronics (ICCAIE 2011).

19- IEEE Student Conference on Research and Development (SCOReD 2011).

Session Chair in Conferences

1- Chaired C2 session (Photonics, Terahertz & Advanced Materials) in IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2014), Johor Bahru, Malaysia, 2014.

2- Chaired A1 session (Automation, Instrumentation & Measurement Applications) in IEEE Symposium on Industrial Electronics and Applications (ISIEA 2013), Kuching, Malaysia, 2013.

Training Course/Seminar/Workshop Participation:

1- Methods of Teaching (Certified), Continuing Education Center and Staff Development, University of Babylon, Babylon, Iraq, 2015.

2- MM-Wave Antenna Design and Technologies tutorial (Certified), IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2014), Johor Bahru, Malaysia, 2014.

3- 4G Long Term Evolution (LTE) Technology short course (Certified), Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia, 2014.

4- Experimental trainings about OSA and FSO, ACE-CoE Universiti Malaysia Perlis, Perlis, Malaysia, 2013.

5- Optical Communication Technology training (Certified), IMEN UKM, Kuala Lumpur, Malaysia, 2012.

6- Advance Design System (ADS) training (Certified), SCCE Universiti Malaysia Perlis, Perlis, Malaysia, 2011.

7- Thesis and Technical Writing workshop (Certified), CGS Universiti Malaysia Perlis, Perlis, Malaysia, 2011.

8- Hardware structure and software commissioning for cBSC6680 (new product), online training, Huawei Technologies Company HQ, China, 2008.

9- CDMA-RNP principles training, Huawei Technologies Company Training Center, Iraq, 2007.

10- CDMA-BTS3606 training (Certified), Huawei Technologies Company Training Center, Cairo, Egypt, 2006.

11- CDMA-BSC6600 training (Certified), Huawei Technologies Company Training Center, Cairo, Egypt, 2006.

Computer Skills:

1- Global IC^3: Internet and Computing Core Certification (Certified), Certiport. I have passed computing fundamentals, key applications, and living online examinations with 85.17% average mark.

2- Programming languages: MATLAB, Visual Basic.

3- Computer Maintenance: Hard disk (partition and formatting), Installing operating systems, programs and applications.

Research Interests:

- Optical-based Multiple-Access Techniques, Passive Optical Networks, Radio over Fiber, Multiuser Detection, Dispersion Compensation Techniques, Advanced Modulation Formats, Receiver Design, Coding, and FEC.
- 5G Wireless Networks, LTE, LTE-A, Wireless OFDM, and Heterogeneous Cellular Networks.

References and Certificates:

Furnished upon request.