

Curriculum Vitae

PERSONAL INFORMATION:

Name: Montadar Abas Taher.
 Birthday: 7th Oct. /1976 Baghdad.
 Nationality: Iraqi.
 Marital status: married (have 2 children).
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CURRENT JOB: Manager of Scientific Affairs, University of Diyala.

EDUCATION:

1. B.Sc. in Electronics and Communications Engineering/ Al-Nahrain University /College of Engineering 2000.
2. M.Sc. in Satellite Engineering/ Al-Nahrain University / College of Engineering 2003.
3. PhD in Electrical, Electronic and Systems Engineering/ The National University of Malaysia (UKM) 2015.

INTERNATIONAL INSTITUTIONS AND COMMITTEES MEMBERSHIPS:

1. IEEE *senior member* (membership No. 92194089)
2. Publication Committee Chair (IEEE Student Conference on Research & Development), SCORed 2013
3. Technical Program Committee Chair (IEEE Student Conference on Research & Development), SCORed 2013

PUBLICATIONS:

• Journals:

1. Taher, Montadar Abas; Radhi, Hussein Sultan; Jameil, Ahmed K, *Enhanced F-OFDM candidate for 5G applications*, Journal of Ambient Intelligence and Humanized Computing, vol. 12, pp. 635-652, 2021.
2. Hammoodi, Ahmed; Audah, Lukman; Taher, Montadar Abas; Mohammed, Mazin Abed; Aljumaily, Mustafa S; Salh, Adeeb; Hamzah, Shipun A, *Novel Universal Windowing Multicarrier Waveform for 5G Systems*, CMC-COMPUTERS MATERIALS & CONTINUA, vol. 67, no. 2, pp. 1523-1536, 2021.
3. Naser, Marwah Abdulrazzaq; Alsabah, Muntadher Qasim; Taher, Montadar Abas, *A Partial CSI Estimation Approach for Downlink FDD massive-MIMO System with Different Base Transceiver Station Topologies*, Wireless Personal Communications, no. 4, 2021.

4. Al- Jawhar, Yasir Amer; Ramli, Khairun N; Taher, Montadar Abas; Shah, Nor Shahida M; Mostafa, Salama A; Khalaf, Bashar Ahmed, ***Improving PAPR performance of filtered OFDM for 5G communications using PTS***, ETRI Journal, vol. 43, no. 2, 2021.
5. Taher, Montadar Abas; Ahmed, Mohammad Z; Salman, Emad Hmood, ***Compressive spectrum sensing using two-stage scheme for cognitive radio networks***, International Journal of Electrical & Computer Engineering, vol. 10, no. 6, 2020.
6. Taher, Montadar Abas, ***Enhanced 5G Throughput using UFMC Multiplexing***, Journal of Southwest Jiaotong University, vol. 54, no. 5, 2019.
7. Jawhar, Yasir Amer; Audah, Lukman; Taher, Montadar Abas; Ramli, Khairun Nidzam; Shah, Nor Shahida Mohd; Musa, Mustafa; Ahmed, Mustafa Sami, ***A review of partial transmit sequence for PAPR reduction in the OFDM systems***, IEEE Access, no. 7, pp. 18021-18041, 2019.
8. Al-Jawhar, Yasir Amer; Ramli, Khairun Nidzam; Mustapha, Aida; Mostafa, Salama A; Shah, Nor Shahida Mohd; Taher, Montadar Abas, ***Reducing PAPR with low complexity for 4G and 5G waveform designs***, IEEE Access, no. 7, pp. 97673-97688, 2019.
9. Hammoodi, Ahmed; Audah, Lukman; Taher, Montadar Abas, ***Green coexistence for 5G waveform candidates: a review***, IEEE Access, no. 7, pp. 10103-10126, 2019.
10. Al-Jawhar, Yasir Amer; Ramli, Khairun Nidzam; Taher, Montadar Abas; Shah, Nor Shahida Mohd; Audah, Lukman; Ahmed, Mustafa Sami, ***Zero-padding techniques in ofdm systems***, International Journal on Electrical Engineering and Informatics, vol. 10, no. 4, pp. 704-725, 2018.
11. Ramli, Khairun Nidzam; Taher, Montadar Abas; Shah, Nor Shahida Mohammed; Audah, Lukman Hanif; Ahmed, Mustafa Sami, ***A New Subblock Segmentation Scheme in Partial Transmit Sequence for Reducing PAPR Value in OFDM Systems***, International Journal of Integrated Engineering, vol. 10, no. 8, 2018.
12. Jawhar, Yasir Amer; Ramli, Khairun Nidzam; Taher, Montadar Abas; Shah, Nor Shahida Mohd; Audah, Lukman; Ahmed, Mustafa Sami; Abbas, Thamer, ***New low- complexity segmentation scheme for the partial transmit sequence technique for reducing the high PAPR value in OFDM systems***, ETRI Journal, vol. 40, no. 6, pp. 699-713, 2018.
13. Hammoodi, Ahmed; Audah, Lukman; Taher, Montadar Abas, ***Filter Optimizing and Maintaining Multi-Rate Processing Using an Optimized Universal Filtered Multi-Carrier (OUFMC) with Cascaded Integrator-Comb (CIC) Filter***, International Journal of Engineering & Technology, vol. 7, no. 3.2, pp. 638-643, 2018.
14. Montadar Abas Taher, JS Mandeep, Mahamod Ismail, Salina Abdul Samad and MT Islam, ***Reducing the power envelope fluctuation of OFDM systems using side information supported amplitude clipping approach***, International Journal of Circuit Theory and Applications, Vol. 42, No. 4, pp 425–435, April 2014.
15. Montadar Abas Taher, Mandeep Jit Singh, Mahamod Bin Ismail, Salina Abdul Samad, and Mohammad Tariqul Islam, ***Reducing the PAPR of OFDM Systems by Random Variable Transformation***, ETRI Journal, vol. 35, no. 4, Aug. 2013, pp. 714-717.
16. Montadar Abas Taher, Mandeep Jit Singh, Mahamod Bin Ismail, Salina Abdul Samad, and Mohammad Tariqul Islam, ***Sliding the SLM-technique to Reduce the Non-Linear Distortion in OFDM Systems***, Electronics and Electrical Engineering, Vol. 19, No 5, 2013.
17. Montadar Abas Taher , Mandeep Jit Singh, Mahamod Ismail, Salina Abdul Samad, M. T. Islam, Hussain Falih Mahdi, ***Post-IFFT-Modified Selected Mapping to Reduce the***

- PAPR of an OFDM System**, Circuits, Systems, and Signal Processing, Vol. 34, No. 2, pp. 535-555, February 2015.
18. Montadar Abas Taher, JS Mandeep, Mahamod Ismail, and MT islam, **A Novel Way to Enhance the PAPR of OFDM Systems**, Journal of Applied Sciences Research, Vol. 8, No. 3, pp. 1589-1593, 2012.
 19. Montadar Abas Taher, Mandeep Singh Jit Singh, Mahamod Ismail, Salina Abdul Samad, Mohammad Tariqul Islam, **An Additive Scaling Factor to Reduce the PAPR of the OFDM Systems**, Journal of Electrical and Electronics Engineering, Vol. 5, No. 1, pp. 247-250, 2012.
 20. Montadar Abas Taher, J.S. Mandeep, Mahamod Ismail and M.T. Islam, **Peak to Average Power Ratio Reduction of Orthogonal Frequency Division Multiplexing System with a Significant Low Complexity**, American Journal of Applied Sciences, Vol. 9, No. 12, pp. 1985-1989, 2012.
 21. Yasir Amer Al-Jawhar, Nor Shahida M. Shah, Montadar Abas Taher, Mustafa Sami Ahmed, Khairun N. Ramli, **An Enhanced Partial Transmit Sequence Segmentation Schemes to Reduce the PAPR in OFDM Systems**, International Journal of Advanced Computer Science and Applications, Vol. 7, No. 12, PP. 66-75, 2016.
 22. Yasir Amer Al-Jawhar, Khairun N. Ramli, Montadar Abas Taher, Lukman Audah, Nor Shahida M. Shah, Mustafa S. Ahmed, and Ahmed T. Hammoodi, **An Enhanced Partial Transmit Sequence Based on Combining Hadamard Matrix and Partitioning Schemes in OFDM Systems**, International Journal of Integrated Engineering –Special Issue 2018: Seminar on Postgraduate Study, Vol. 10 No. 3 (2018) p. 1-7.
 23. Yasir A. Jawhar, Nor Shahida Shah, Montadar Abas Taher, Khairun N. Ramli, Mustafa S. Ahmed, R. Abdulhasan, **A low PAPR performance with new segmentation schemes of partial transmit sequence for OFDM systems**, International Journal of Advanced and Applied Sciences, 4(4), pp:14-21, DOI: 10.21833/ijaas.2017.04.003.
 24. Montadar Abas Taher, Abdulmunem Ahmed Mohammed, **Power Envelope Variation Improvement of Downlink Lte System Using Complex Number Manipulation Approach**. Diyala Journal of Engineering Sciences, special issue for the Second Engineering Scientific Conference, College of Engineering –University of Diyala, 16-17 December. 2015, pp. 618-623.
 25. Montadar Abas Taher, Abidaoun Hamdan Shallal, Ilham Hameed Qaddoori, **Non-Linearity Distortion Mitigation of Downlink-Lte System Using Modified Amplitude Clipping and Frequency Domain Randomization**, Diyala Journal of Engineering Sciences, special issue for the Second Engineering Scientific Conference, College of Engineering –University of Diyala, 16-17 December. 2015, pp. 613-617.

- **Conferences:**

1. Al-Karawi, Yassir Ameen Ahmed; Taher, Montadar Abas; khlf Ahmed, Riyadh, **On the Trade-offs of 5G networks and Beyond**, vol. 1076, no. 1, 2021.
2. Hammoodi, Ahmed; Audah, Lukman; Aljumaily, Mustafa S; Taher, Montadar A; Shawqi, Farooq Sijal, **Green Coexistence of CP-OFDM and UFMC Waveforms for 5G and Beyond Systems**, 2020 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 2020.

3. Taher, Montadar Abas; Kutheir, Khalid Hussein, ***FBMC as 5G candidate for high speed mobility***, IOP Conference Series: Materials Science and Engineering, vol. 557, no. 1, 2019.
4. Montadar Abas Taher, JS Mandeep, Mahamod Ismail, Hussain Falih Mahdi, MT Islam, Abidaoun Hamdan Shallal, ***A novel simple algorithm to enhance the peak to average ratio of MC-CDMA system***, 2011 IEEE International Conference on Signal and Image Processing Applications (ICSIPA), Kuala Lumpur, pp. 324 - 326.
5. Montadar Abas Taher, JS Mandeep, Mahamod Ismail, Hussain Falih Mahdi, ***Blind technique to lower the PAPR of the MC-CDMA system without complexity***, 2011 17th Asia-Pacific Conference on Communications (APCC), 2nd – 5th October 2011, pp. 688 - 691, Sabah, Malaysia.
6. Montadar Abas Taher, JS Mandeep, Mahamod Ismail, MT Islam, And Abidaoun Hamdan Shallal, ***Amplitude Phase Grouping Algorithm to Enhance the PAPR Problem***, The 7th International Conference on Information Technology and Applications (ICITA 2011), pp. 245-248, Sydney Australia, 21 - 24 November, 2011.
7. Kawthar Yasmine Zergat, Abderrahmane Amrouche, Montadar Abas Taher, Nasharuddin Zainal, ***Contribution of Prosodic Features on the Synthesized Arabic Speaker Recognition***, 2013 IEEE Student Conference on Research and Development (SCoReD), pp. 70-73, 16 -17 December 2013, Putrajaya, Malaysia.
8. Saad Mutashar Abbas, Montadar Abas Taher, Ahmad Al-Shaheen, ***Developing Efficient RF-DC Converter Using Switch-only Rectifier for Biomedical Applications***, 2013 IEEE Student Conference on Research and Development (SCoReD), pp. 511-515, 16 -17 December 2013, Putrajaya, Malaysia.
9. Mohamad Fakhari Mehrjardi, Hilmi Sanusi, Mohd Alauddin Mohd Ali, Montadar Abas Taher, ***Proportional Derivative Controller Using Discrete Kalman Filter Estimation Method for Spacecraft Attitude Control***, Applied Mechanics and Materials, Vols. 789-790, pp. 923-926, Sep. 2015.
10. Mohamad Fakhari Mehrjardi, Hilmi Sanusi, Mohd Alauddin Mohd Ali, Montadar Abas Taher, ***PD controller for three-axis satellite attitude control using discrete Kalman Filter***, 2014 IEEE 2014 International Conference on Computer, Communication, and Control Technology (I4CT 2014), September 2-4, 2014 - Langkawi, Kedah, Malaysia. pp. 83 - 85, 2014.
11. Emad Hmood Salman, Yassir AL-Karawi, Abdulmunem Ahmed, Montadar Abas Taher, Nor Kamariah Nordin, Shaiful Hashim, Fazirulhisyam Hashim, ***On the Energy Detection Performance Based Welch's DCT Algorithm in Cognitive Radio Systems***, IEEE 2018 1st International Scientific Conference of Engineering Sciences - 3rd Scientific Conference of Engineering Science (ISCES), Date of Conference: 10-11 Jan. 2018, DOI: 10.1109/ISCES.2018.8340542.

QUALIFICATIONS:

1. Excellent Background in GSM system.
2. Professional in Matlab.
3. Personal Computer Installations and Maintenance.
4. Excellent in Microsoft Office.

EXPERIENCES AND PRACTICAL WORK:

- Work for International Systel company (Part time) for the period 2004-2009 on BSS department. The work was subcontract for **Motorola** Company and consisting Iraqna Cellular Phone Network. And team leader since 2006-2009.
- Lecturer in University of Diyala / Collage of Engineering/ Department of Communications Engineering, since 2003 till 2010, Lecturing the following subjects;
 1. Digital Signal Processing,
 2. Digital communication Systems,
 3. Signals and Systems,
 4. Analogue communication systems,
 5. Matlab Programming.
 6. Electrical Circuits Theory.
- Senior lecturer in University of Diyala / Collage of Engineering/ Department of Communications Engineering, since January 2015 till now, Lecturing the following subjects;
 1. Digital Signal Processing,
 2. Digital communication Systems,
 3. Signals and Systems,
 4. Analogue communication systems,
 5. Matlab Programming.
- Part time Demonstrator in Al-Nahrain University 2001-2002; for the following laboratories;
 1. Communications Laboratory.
 2. Electronics Laboratory.
 3. Basic Electrical Circuits Laboratory.
 4. Digital Electronics Laboratory.
 5. Digital System Design and Computer Architecture Laboratory.

CERTIFICATIONS:

1. GSM Advances-BSS Parameters & GSM Interfaces (Cellular Integrated Services Company (CISCOM), Baghdad/**Iraq**), 8-13 January, 2005.
2. BSS Operational Theory, (Motorola Technical Training Services, Swindon /**UK**), October 3-7, 2005.
3. Advanced BSS Field Support, (Motorola Technical Training Services, Swindon /**UK**), July 3-7, 2006.

LANGUAGES:

1. Arabic-Mother Language.
2. English (Read, Write, Listening, and Speaking)

3. Bahasa Malayu (Basics)

RECOMMENDATIONS:

See next page,



To whom it may concern:

Dr. Montadar Abas Taher (Passport No. G1604099)

I would like to inform that the above-mentioned name has completed his Ph.D. research under my supervision in the field of Signal Processing for Telecommunication in the Department of Electrical, Electronic and Systems Engineering, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia (UKM). The title of his thesis is "Enhanced Peak to Average Power Ratio Reduction Techniques for Orthogonal Frequency Division Multiplexing Wireless System with Low Complexity".

During his Ph.D. research, I found him to be very competitive, enthusiastic, consistent and hardworking person. Also, Dr. Taher has good research and analytical skills and has been always able to work under pressure and with minimal supervision. Aside from that, he is a polite, cheerful, friendly and has good communication skills. He also has reflected positive attitude about his presentation skills, means of persuading, and intellectual responsibility.

Thus, I fully recommend him for any employment he seeks and wish him all the best in his future endeavor. If you have any questions or need more information, I will be happy to talk to you. Please call me at the telephone number printed on this letterhead or email me at the address mentioned below.

Yours sincerely,


Professor Dr. Mahamod Ismail
(Supervisor/Head of Department)
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Fakulti Kejuruteraan dan Alam Bina Faculty of Engineering and Built Environment

August 8, 2017

To whom it may concern,


Dear Sir/Madam,

Letter of Recommendation for Dr. Montadar Abas Taher

I am writing to state my recommendation for Dr. Montadar Abas Taher for any position that he seeks in the academic line. In my role as a co-supervisor of his PhD research at Universiti Kebangsaan Malaysia, I got to know him and found him to be hardworking, independent and personable. I believe that he would be an asset to any institution that he joins.

I would be happy to provide you with further information about Dr. Montadar. Please feel free to contact me through email (salinasamad@ukm.edu.my) or by telephone (+603 89216331).

Thank you.

Yours sincerely, 

PROF. IR. DR. SALINA ABDUL SAMAD
Department of Electrical, Electronics and Systems Engineering
Faculty of Engineering and Built Environment
Universiti Kebangsaan Malaysia