

NAME In ENGLISH  
Maan A. S. Al-Adwany

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معن أحمد شحادة

## معلومات شخصية

البريد الإلكتروني:	
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اللقب العلمي:	استاذ
تاريخ الحصول عليه	2020/10/20
تاريخ أول تعيين في الدولة	2001/2/1
الدائرة:	كلية هندسة الالكترونيات
الوزارة:	التعليم العالي
تاريخ أول تعيين في الجامعة	2001/2/1
اسم الجامعة:	الموصل
الكلية والقسم:	كلية هندسة الالكترونيات/الحاسوب والمعلوماتية
الجامعة الحالية:	نينوى
الكلية والقسم:	كلية هندسة الالكترونيات/الحاسوب

## الشهادات

البيكالوريوس	هندسة الكترولنيك واتصالات
تاريخ الحصول عليها	1997/6/29
الجامعة	الموصل
الدولة المانحة	العراق
الماجستير	إقرأ أولئك هالأسسة الكترولنيك واتصالات
تاريخ الحصول عليها	2000/1/30
الجامعة	الموصل
الدولة	العراق
الدكتوراه	NINEVAH UNIVERSITY
تاريخ الحصول عليها	2014
الجامعة	جامعة نينوى
الدولة المانحة	1435

## البيانات العلمية

عدد المواد التي يدرّسها في الدراسات الأولية:	5
أسمائها:	a- Communication Principles. b- Electrical Networks and Analysis c- Integrated Circuits. d- Electrical and Electronic Laboratories. e- Principles of Measurements.
عدد المواد التي يدرّسها في الدراسات العليا:	لا يوجد
أسمائها:	

## البحوث والمؤلفات

عدد البحوث المنشورة في المجالات المحلية والمؤتمرات:	4
عدد البحوث المنشورة في المجالات الاقليمية والعالمية:	22

## الإهتمامات البحثية

الاتصالات اللاسلكية
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## أسماء البحوث والمؤلفات المنشورة :

- 1- Maryam H. Agha, Maan A. S. Al-Adwany, Ogus Bayat and Hind Th. Hamdoon, "IFT and Chebyshev-based planar array thinning for adaptive interference suppression", Journal of Computational Electronics, December 2022, (Springer Nature).
- 2- Maryam H. Agha, Maan A. S. Al-Adwany, Ogus Bayat and Hind Th. Hamdoon, "Optimization of antenna array pattern for uniformly excited rectangular array via thinning", Journal of King Saud University - Engineering Sciences, (Elsevier 2021).
- 3- Omar Mowaffak Alsaydia, Noor Raad Saadallah, Fahad Layth Malallah and Maan A. S. Al-Adwany, "Limiting COVID-19 infection by automatic remote face mask monitoring and detection using deep learning with IoT", Eastern-European Journal of Enterprise Technologies, 5(2-113), 2021, pp. 29-36.
- 4- Maan A. S. Al-Adwany, Heba Nabeel Yahya, Mamoon A. J. Thanoon, Hind Th. Hamdoon, Noor Raad Saadallah and Amina G. Hamed, "Simulation and Hardware Implementation of D.C-Biased Optical OFDM (DCO-OFDM) for Visible Light Communications", International Review on Modelling and Simulations (IREMOS), Vol. 13, No. 2, 2020.
- 5- Maan A. S. Al-Adwany, "Efficient power allocation method for non-orthogonal multiple access 5G systems", International Journal of Electrical and Computer Engineering, Vol. 10, No. 2, 2020, pp. 2139-2150.
- 6- Maan A. S. Al-Adwany, Hind Th. Hamdoon, "A Method for Increasing the Throughput of IDMA Uplink System", 2019 IEEE International Conference on Automatic Control and Intelligent Systems (I2CACIS 2019), 29 June 2019, Shah Alam, Malaysia.
- 7- Maan A. S. Al-Adwany, Hind Th. Hamdoon, "Simulation and Performance Evaluation of Non-Orthogonal IDMA System for Future Wireless Networks", Journal of Engineering Science and Technology, Vol. 14, No. 4, 2019, pp. 1835-1850.



- 8- Maan A. S. Al-Adwany, "Improving the Performance of Wireless Communication Systems in Indoor Environments", The Mediterranean Journal of Electronics and Communications, Vol.11, No.1, 2015, United Kingdom, pp. 810-821.
- 9- Maan A. S. Al-Adwany, Hind Th. Hamdoon, "Simulation and FPGA Implementation of OFDM System for Wireless Networks", The Second Engineering Conference of Control, Computers and Mechatronics Engineering (ECCCM2), 25-27 Feb. 2014, University of Technology, Baghdad, Iraq, pp: 163-166.
- 10- Maan A. S. Al-Adwany, "Performance Evaluation of Downlink WiMAX System in Vicinity of UWB System", The 1<sup>st</sup> International Conference on Energy, Power, and Control (IEEE), 30 Nov.- 2 Dec., 2010, Basrah, Iraq, pp. 315-319.
- 11- Maan A. S. Al-Adwany, "A Performance Study of Wireless Broadband Access (WiMAX)", The 1<sup>st</sup> International Conference on Energy, Power, and Control (IEEE), 30 Nov.-2 Dec., 2010, Basrah, Iraq, pp. 320-324.
- 12- Maan A. S. Al-Adwany, Ala'a B. Ali, Esra'a H. Najim, Amina M. Younis, "A Study on the Effect of UWB Interference on Downlink UMTS System", The 1<sup>st</sup> International Conference on Energy, Power, and Control (IEEE), 30 Nov.-2 Dec., 2010, Basrah, Iraq, pp. 107-110.
- 13- Maan A. S. Al-Adwany, Mustafa B. Ayoub, "Performance Evaluation of Nonblocking OVFS Codes in WCDMA Systems", 1<sup>st</sup> Middle East Conference on Antennas and Propagation (MECAP 2010) (IEEE), 20-22 October, 2010, Cairo, Egypt.
- 14- Maan A. S. Al-Adwany, "UMTS Performance in Vicinity of UWB BAN Healthcare System", 1<sup>st</sup> Middle East Conference on Antennas and Propagation (MECAP 2010) (IEEE), 20-22 October, 2010, Cairo, Egypt.



- 15- Maan A. S. Al-Adwany, "Modeling and Simulation of Emerging WCDMA and TDMA Systems in Mobile Communication Cells" The Mediterranean Journal of Computers and Networks (United Kingdom), Vol. 6, No. 1, 2010, pp. 23-30.
- 16- Maan A. S. Al-Adwany, "Evaluation of UWB Performance In A Learning And Conferencing Environment" The Mediterranean Journal of Computers and Networks (United Kingdom), Vol. 5, No. 4, 2009, pp. 138-146.
- 17- Maan A. S. Al-Adwany, "Simulation of Uplink WCDMA with Utilization of TDMA to Increase Cell Capacity" The Mediterranean Journal of Computers and Networks (United Kingdom), Vol. 5, No. 3, 2009, pp. 98-103.
- 18- Maan A. S. Al-Adwany, and Amin M. Abbosh, "Performance Evaluation of Overlaid WCDMA and TDMA Systems", International Symposium on Performance Evaluation of Computer and Telecommunication Systems (IEEE-SPECTS 2009), July 13-16, Istanbul, Turkey, pp. 208-212.
- 19- Amin M. Abbosh, Maan Ahmed Shehathah, "Theoretical Investigation into Spectral Coexistence of CDMA and TDMA Systems", The Journal of Engineering Research TJER, Sultan Qaboos University, Sultanate of Oman, Vol. 5, No.1, Jan. 2008, pp. 1-6.
- 20- Maan A. S. Al-Adwany, "A Study on Cell Capacity in WCDMA & TDMA Systems", RFIT2007-IEEE International Workshop on Radio-Frequency Integration Technology, Dec. 9-11, 2007, Singapore.
- 21- Maan A. S. Al-Adwany, "Performance Evaluation of WCDMA uplink System Over Dispersive Channel", The International Arab Conference on Information Technology (ACIT' 2007), November 26-28, 2007, Syria.
- 22- Waga. F. Mohamed, Maan A. Shehathah, "Some Practical Considerations for Fabrication processes of In-doped CdTe/Si(p) Heterojunction", International Engineering Conference (Mutah 2004) April 26-29, 2004, Jordan.



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- 24- Saad E. Al-Jbouri, Maan A. Shehathah Al-Adwany, Ahmed N. Al-Sammak, " A New Model of Representation of Magnetization Curve", The 4th International Conference on Computational Aspects and Their Applications in Electrical Engineering (CATAEE 19-21 March 2002), Philadelphia University- Jordan, 2002.
- 25- Waga. F. Mohamed, Maan A. Shehathah, " The effect of the series resistance on the photovoltaic Properties of In-doped CdTe(p) Thin film Homojunction structure" Republished by Special Issue on International Energy Conference 2000, Curtin University of Technology, Vol. 3, No. 1, April 2001, Australia.
- 26- Waga. F. Mohamed, Maan A. Shehathah, " The effect of the series resistance on the photovoltaic Properties of In-doped CdTe(p) Thin film Homojunction structure", Renewable Energy, Vol. 21, Issue 2, 2000, pp. 141-152.

