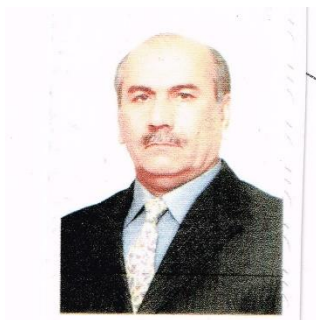


الدكتور المهندس رفعت طالب حسين

أستاذ مساعد



Refat.hussain@muc.edu.iq



<https://www.researchgate.net/profile/Refat-Hussain>

رئيس قسم هندسة الاتصالات

الخبرات

Institution	Rank	Title	When	Full Time/Part Time
Electrical & Electronic Eng. Dept./ MEC	Dr.	Staff member	1990 -1995	Full Time
Electrical & Electronic Eng. Dept./ MEC	Assist. Prof. Dr.	Staff member	1995 - 2003	Full Time
Electrical Eng. Dept./ UOT	Assist. Prof. Dr.	Staff member	2003 – 2006	Full Time
Electrical Eng. Dept./ UOT	Assist. Prof. Dr.	Head of Com. Eng. Branch	2006 – 2008	Full Time
Electrical Eng. Dept./ UOT	Assist. Prof. Dr.	Staff member	2008 - 2010	Full Time
Optical Electronic Eng. Dept./UOT	Assist. Prof. Dr.	Staff member	2010 - 2013	Full Time
Electrical Eng. Dept./ UOT	Assist. Prof. Dr.	Staff member	2013 - 2014	Full Time
Communication Eng. Dept./UOT	Assist. Prof. Dr.	Staff member	2014 - 2020	Full Time
Computer Eng. Technology/AUC	Assist. Prof. Dr.	Head of Dept.	2021-2022	Full Time

Current membership in professional organizations:

Iraqi Engineers Association - Consultant Rank

Service activities (within and outside of the institution):

- Supervision of undergraduate students Training of and supervising the student's projects
- Chairman of a performance evaluation committee for one of higher education university
- Chairman or member of the curricula preparation committees for many engineering colleges and departments of under and post - graduate studies
- Cooperation with Faculty of Engineering - University of sedum - in the field of under and post - graduate studies
- Cooperation with the Department of Electronic & communication Engineering / Faculty of Engineering - University of Baghdad - in the field of under and post - graduate studies
- Cooperation with the Department of Electronic & communication Engineering / Faculty of Engineering - University of Baghdad - in the field of under and post - graduate studies
- Cooperation with the Department of Electrical Engineering / Faculty of Engineering – Mustansiriyah University - in the field of under and post graduate studies

الأشراف على طلبة الدراسات العليا

1. عدد طلبة الماجستير الذين تم الأشراف عليهم: اكثر من 30 طالباً
2. عدد طلبة الدكتوراه الذين تم الأشراف عليهم: 7 طلاب

الشهادات الاكاديمية

الشهادات	الدول المانحة	الجامعة	الاختصاص	القسم	تاريخ الحصول على الشهادة
دكتوراه	بريطانيا	سترتك لايت	هندسة اتصالات\ معالجة الاشارة الصوتية للموجات الدقيقة	الهندسة الكهربائية والالكترونية	1990
ماجستير	بريطانيا	كرانفيلد	هندسة الاتصالات عن بعد	الهندسة الكهربائية والالكترونية	1987
بكلوريوس هندسة	جمهورية العراق	الكلية الهندسية العسكرية	هندسة كهربائية والكترونية	الهندسة الكهربائية والالكترونية	1981

- Microwave Image System
- Image Steganography System
- Fractal Antenna Design.

المؤلفات والبحوث المنشورة

- BOOK [DESIGN AND CHARACTERIZATION OF THZ ANTENNA USING GRAPHENE-BASED AMC; ISBN-13: 978-333007296-1; LAP LAMBERT ACADEMIC PUBLISHING]
- "Application of 2D Migration Algorithms to Ground Probing Radar", ICASSP88, April 11-14, 1988, New York City, USA, 41.M10.6. R.T. Hussein, W. Sandham, and R. Chapman.
- "Comparison Between Image Processing Methodologies Used in the GPR", Proc. Of the MCE 2nd Eng. Con. 1994, PP. EE2- 11 – 16. Dr. R.T. Hussain.
- "EM Field Properties of Antennas for Transmission into a Lossy Half-Space Media", JSU, Vol. 3(2), Dec 1999, PP. 95-111, Assist. Prof. Dr. R.T. Hussain.
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- "Optimum FM Modulation Waveforms Design for Dual-Channel Transmission Pulse Radar", IJCCCE, Vol. 2(2), 2001, PP. 17-24. Emad Shehab Ahmed (M.Sc.) & Assist. Prof. Dr. R.T. Hussain.
- "(8-12) m wavelength atmospheric transmission modeled to restored thematic images", IJCCCE, Vol.2(3), 2001, PP.79-89. Eng. Anwaar Abdul Satar (M.Sc.) & Assist. Prof. Dr. R.T. Hussain.
- "Optimum Approach of DOA for Mono-pulse Radar Systems with Modern Neural Network Algorithms", JSU, Vol. 6(3), 2002. PP. 61-74, Assist. Prof. Dr. R.T. Hussain & Eng. Yaseen Naser Jrn.
- "Design and Implementation of Broad-band Annual Ring Micro-Strip Patch Antenna with Hybrid Polarization", JSU, Vol. 6(3), 2002. PP. 83-96. Assist. Prof. Dr. R.T. Hussain & Eng. Hasan Kasim Abbas.
- "Optimum Design and Implementation of Helicon Antenna", JSU, Vol. 6(3), 2002. PP. 25 - 34. Assist. Prof. Dr. R.T. Hussain & Eng. Yasser Saa'di Mohamed.
- "3D Visualization for Embedded Target in Media", Proc. Of the M2USIC 2005, TS11, PP. 21 – 24. Assist. Prof. Dr. R.T. Hussain, Kitara K. Abdul Rahman.
- "3D combine fractal dipole wire antenna", IJCCCE Vol. 7, No.2, 2007, PP.35-42. Assist. Prof. Dr. R.T. Hussain.
- "Compact Size Design with low Side Lobes of Fractal Linear array antenna", IJCCCE VOL.9, NO.1, 2009, PP.1-12. Assist. Prof. Dr. R.T. Hussain & Eng. F. J. Jibrael.
- "Comparison of the radiation pattern of fractal and conventional linear array antenna", Progress in Electromagnetic Research Letters, Vol. 4, pp.183-190, 2008. Assist. Prof. Dr. R.T. Hussain & Eng. F. J. Jibrael.
- "Low complexity high data rate transmit diversity block code (TDBC)", Zanco, Journal of Pure and Applied Sciences/ Salahuddin University-Hawler, Vol. 21, No.3, 2009, PP.65-74. Assist. Prof. Dr. R.T. Hussein & Dr. Thuraya M. Al-Qaradaghi.
- "Automatic extracted object technique for contrast enhancement medical images", IJCCCE, VOL.9, NO.1, 2009, Assist. Prof. Dr. R.T. Hussein & Atheer Jabbar Mansor.
- "Modified CA-CFAR Radar detection for multiple and clutter edge situations",

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- "Image Steganography algorithm based on DWT and Turbo coding"
- "Cantor fractal linear antenna array with Koch fractal elements", IJCCCE, Vol.1, No.1, 2010, Assist. Prof. Dr. R.T. Hussain & Eng. Mohannad Ahmad.
- "Novel Security Image Steganography Based On DWT and Pseudorandom Sequence", Journal of Engineering and Development, Vol. 14, No. 1, April (2010), Assist. Prof. Dr. R.T. Hussein & Awatif A. Jafar (M.Sc.).
- "A Wideband Hybrid Plasmonic Fractal Patch Nano-antenna",
- "Design and Performance Investigation of Tunable UWB THZ Antenna Based on Graphene Fractal Artificial Magnetic Conductor", Volume 6, Issue 9, Sep 2015, pp. 39-47, Article ID: IJECET_06_09_005.
- "A Modified Wideband Hybrid Plasmonic Fractal Patch Nano-antenna", International Conf. on Laser & advanced Materials, 2014.
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- "Wideband improvement for hybrid plasmonic fractal patch nanoantenna", Bulletin of Electrical Engineering and Informatics, Vol. 11, No. 5, October 2022, pp. 2672~2678, ISSN: 2302-9285, DOI: 10.11591/eei.v11i5.4129.
- And more....

الجوائز، التقديرات، وبراءات الاختراع ان وجدت

- الجوائز
- التقديرات (امتياز – جيد جداً – جيداً)
- براءات الاختراع



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