

Ghufran Mahdi Hatem

Lecturer Of Electrical Engineering



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Digital System Design and Pattern Recognition Research Group

1. Name As Written in Passport: **Ghufran Mahdi Hatem** غفران مهدي حاتم
2. Date of Birth: **1982 Al-Najaf/Iraq** تولد النجف 1982
3. Academic Information
 - Degree: **PhD (Electronics and Communication)**
 - Title: **Lecturer**
 - Position: **Lecture**
 - University: **Al-Furat Al-Awsat Technical University**
 - College: **Najaf Technical College**

Academic Record

1. Al-Furat Al-Awsat Technical University, B.Sc. degree in Communication Engineering from Najaf Technical College/2004.
2. University of Technology/Baghdad, M.Sc. degree in Communication Engineering from Electrical Engineering Department/2015.
3. University of Technology/Baghdad, Ph.D. student in Communication and Electronic Engineering in Electrical Engineering Department/2019.

Research Interests:

Electronic Design (FPGA) for DSP, Pattern Recognition, Antenna and wave Propagation, Radar signal processing, Sensor Network.

Membership in the ((Digital System Design and Pattern Recognition Research Group))

Head of ((Radar Signal Processing sub-Group (in the main above group)))

Teaching Experience

A- Graduate Level

1. Information Theory.
2. Statistics.
3. Communication Theory.
4. Radar technology.
5. Electromagnetic field.
6. Antenna.
7. Electric circuit principle.
8. Physics.
9. Digital Electronic.

B. Post Graduate Level

1. Digital Signal Processing.
2. Antenna Design.

Some of Published Papers

1. Thamir Rashed Saeed, Mahmud Hamza Al-Muifraje, and Ghufran M. Hatem, "Through the Wall, Recognize Moving Targets Based on Micro-Doppler Signatures", International Journal of Electrical and Computer Engineering (IJECE) Vol. 8, No. 6, December 2018, pp. 5227~5237.
2. Gufran M. Hatem, Thamir R. Saeed, Jafar W. Abdul Sadah, "Comparative Study of Combined CFAR Algorithms for Non-Homogenous Environment", Procedia Computer Science 131 (2018) 58–64.
3. GM Hatem, AJ Salim, JK Ali, "Wearable Sierpinski dragon fractal patch antenna for RFID applications", International Conference on Engineering Sciences Applications, ICESA, 892-905, 2014.
4. GM Hatem, AJ Salim, JK Ali, H Alsaedi, "Wunderlich Fractal-based Printed Dual-band Dipole Antenna for Wearable RFID Applications", Technical Report MRG 4-2016, Microwave Research Group, 2016.
5. GM Hatem, JWA Sadah, TR Saeed, "Comparative Study of Various CFAR Algorithms for Non-Homogenous Environments IOP Conference Series: Materials Science and Engineering 433 (1), 012080, 2018.
6. JWAS Gufran M. Hatem, Thamir R. Saeed, "Optimal Feature Selection for Radar Signal Classification with Different Targets Situation", 2018 Third Scientific Conference of Electrical Engineering (SCEE).
7. JWAS Ghufran M. Hatem, Thamir R. Saeed, "Classification of Radar Non-homogenous Environment Based on Statistical Features using Artificial Neural Network", International Journal of Reasoning-based Intelligent Systems IJRIS 2018.
8. GM Hatem, AJ Salim, JK Ali, "An Accurate Technique to Model the Substrate of Wearable Textile Antennas", Proceedings of Progress in Electromagnetics Research Symposium, PIERS, 122-124.