قصي هادي سلطان

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Education

Nov. 2011 - May 2014: MSc in Communications Engineering, University of Mosul, Mosul, Iraq
Total Average Mark is 80.75%.
Master Thesis: Feasibility of Scattering Surfaces Using the Reflect-array Techniques. Supervised by prof. Dr. Khalil Hassan Sayidmarie. I achieved 92% in this thesis.

Nov. 2003 - July 2007: BSc in Communications Engineering, University of Mosul, Mosul, Iraq
Rank is 1st out of 29 students in the Communication Engineering department and my average mark is 84.73%. Rank also was 1st among students graduated from all the departments of the College of Electronics Engineering.

Employment

2008 – 2011 Instructor in Communications Engineering Department, College of Electronics Engineering, Mosul University, Mosul, Iraq.

2017 – present Assistant lecturer in Communications Engineering Department, College of Electronics Engineering, Nineveh University, Mosul, Iraq.
I have taught the following modules: Basic of Electrical Engineering for 1st class students, Antennas and propagation for 4th class students, Electrical Networks Engineering and logic Lab for 1st class students, logic Lab for 2nd class students, Matlab Lab for 2nd class students, Microwave Lab for 3rd class students and Antennas Lab for 4th class students.
My aims were to encourage students to observe, question and discover in order to engage them in their learning, and help them to investigate to develop their creativity.

Skills

General skills in research project management and data analysis. Specific expertise and interests in:

Computing Skills:

- Applications: CST Studio Suite, HFSS (high-frequency structure simulator), IE3D Electromagnetic Simulator, Advanced Design System (ADS), EAGLE Printed Circuit Board Design Software, Matlab Simulink, Multisim Simulator, ArtCAM 2D, MS Office, MS VISIO, Auto CAD, Photoshop.
- Programming Languages: C++, Matlab and Visual Basic.

Leadership Skills:

- Working in teaching for 13 years improve my leadership skills through teaching.

Interests

Internet, Reading and Football.

Research Interests

My current research centres around the analysis, design and implemention of the various types of antennas and an array antennas for many modern communication systems.

Publications/Conference Papers

- "Design a new fractal loop antenna for UHF RFID tags based on a proposed fractal curve", 2010 2nd International Conference on Computer Technology and Development (ICCTD 2010), 978-1-4244-8845-2/10/ $ 26.00 © 2010 IEEE.
- "A Proposed Positioning System Using Signal Strength Measurement for WiFi Systems", the 4th International Scientific Conference of Salahaddin University-Erbil, October 18-20, 2011.
- "Synthesis of wide beam array patterns using quadratic-phase excitations", International Journal of Electromagnetics and Applications, Vol. 3, No. 6, PP. 127-135, 2013.
- "Synthesis of wide beam array patterns using random phase weights", Proceedings of IEEE International Conference on Electrical, Communication, Computer, Power and Control Engineering (ICECCPCE), Iraq-Mosul, 18 -19 December 2013.
- "A Triple-band Meander Line with two Rectangular Shapes Planar Monopole Antenna" **International Journal of Engineering and Innovative Technology (IJEIT) Volume 8, Issue 3, September 2018**.