



Mohammad Taha

Short Vitae

Education

- 2004–2007 **MSc.**, *University of Jordan, Amman*, .
Masters in Communication Engineering
- 1995–2000 **BSc.**, *Princess Sumaya University for Technology, Amman*, .
BSc. in Electronic Engineering, Graduated with distinction and Dean's list

Master thesis

title *Estimation of MIMO communication channel parameters*

Experience

- 2007–2012 **Full Time Lecturer**, *PSUT, Amman*.
Teaching Communication Engineering courses. Creating communication networks, microwave engineering and programming applications in signals and systems labs.
- 2012–Present **Senior Lecturer**, *PSUT, Amman*.
Teaching Communication Engineering courses

Courses Taught: signals and systems, electromagnetics, electronic communication, communication theory, industrial electronics, programming applications, data communication, circuits theory and communication principles. MATLAB workshop for renewable energy.

Languages

Arabic	mother tongue		
English	very good		<i>Conversationally fluent</i>
German	Basic		<i>Oral communication</i>
Software	■■■■■	MATLAB	23 <i>Extensive project experience</i>
	■■■■■	TCL/TK	2 <i>Scripting for networking and GUI</i>
	■■■■■	L ^A T _E X	10 <i>advanced user and developer</i>
	■■■□□	JS	1 <i>working knowledge</i>
	■■■■■	C	5 <i>advanced user</i>
	■■■■■	LabView	3 <i>Experienced user</i>
OS	■■■■■	MS	23 <i>windows, word, excel, etc.</i>

Publications

- [1] Omar HASAN and TAHA Mohamed. Optimized fso system performance over atmospheric turbulence channels with pointing error and weather conditions. *RA-DIOENGINEERING*, 25(4):659, 2016.
- [2] Omar M. Hasan, Mohamed Taha, and Osama Abu Sharkh. Outage capacity and outage rate performance of mimo free-space optical system over strong turbulence channel. *Journal of Modern Optics*, 63(11):1106–1114, 2016.
- [3] mohamed Taha and Dia abu alnadi. Threshold adaptation in spectrum sensing for cognitive radio using particle swarm optimization. In *International Conference on Control, Engineering and Information Technology , CEIT'14,Sousse*, volume 8, pages 223–228, 2014.
- [4] Mohamed Taha, Dia Abualnadi, and Omar Hasan. Model order reduction using fractional order systems. In *2016 6th IEEE International Conference on Control System, Computing and Engineering (ICCSCE)*, pages 199–204, 2016.
- [5] Mohamed Taha, Dia Abualnadi, and Omar Hasan. Lightning impulse parameters estimation using maximum likelihood criterion. In *2018 8th IEEE International Conference on Control System, Computing and Engineering (ICCSCE)*, pages 176–179, 2018.
- [6] Mohamed Taha, Dia Abualnadi, Omar Hasan, and Eyad A. Feilat. Lightning impulse parameters estimation using fractional model order reduction. In *2017 7th IEEE International Conference on Control System, Computing and Engineering (ICCSCE)*, pages 80–84, 2017.
- [7] Mohamed A. Taha and Dia I. Abu al Nadi. Spectrum sensing for cognitive radio using binary particle swarm. *Wireless Personal Communications*, 72(4):2143–2153, 2013.
- [8] Mohamed A. Taha, Dia I. Abu-Al-Nadi, and Taisir H. Ismail. Maximum likelihood estimation of the double-directional parameters in the multiple-input-multiple-output communication system using the particle swarm optimization. *Electromagnetics*, 28(6):401–410, 2008.
- [9] Mohammad Taha and Dia abu al Nadi. Phase control array synthesis using constrained accelerated particle swarm optimization. *International Journal of Electrical and Computer Engineering*, 7(5):594 – 599, 2013.
- [10] Mohammad Taha and Dia abu Alnadi. Doa estimation for unknown number of signals using particle swarm optimization. In *2015 International Conference on Computer, Communications, and Control Technology (I4CT)*, pages 167–171, 2015.
- [11] Mohammad Taha, Rahma Atallah, Odai Dwiek, and Farah Bata. Crowd estimation based on rssi measurements using knn classification. In *2020 3rd International Conference on Intelligent Autonomous Systems (ICoIAS)*, pages 67–70, 2020.
- [12] Mohammed A. Taha, Mariam T. Abdallah, Hala Al Qasem, and Mohammad A. Sada. Dynamic spectrum analyzer using software defined radio. In *Proceedings of*

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2012 International Conference on Interactive Mobile and Computer Aided Learning (IMCL), pages 167–172, 2012.

- [13] Ashraf Tahat and Mohammad Taha. Statistical tuning of walfisch-ikegami propagation model using particle swarm optimization. In *2012 19th IEEE Symposium on Communications and Vehicular Technology in the Benelux (SCVT)*, pages 1–6, 2012.

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