



## CURRICULUM VITAE



### Dr. Adam Reda Hasan Alhawari

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### Academic Qualifications

- Ph.D. in Wireless Communications Engineering, UPM, Malaysia, 2012.
- M.Sc. in Communication and Network Engineering, UPM, Malaysia, 2009.
- B.Eng. in Engineering Technology (Major: Communication Engineering), Yarmouk University, Jordan, 2003.

### Professional Qualification/ Membership/ Affiliation

- Member, Institute of Electrical and Electronics Engineers (IEEE), USA
- Member, Jordan Engineers Association (JEA), Jordan

### Appointments

- December, 2012 . Present:  
Senior Lecturer, Department of Computer and Communication Systems Engineering, Faculty of Engineering, UPM

### Areas of Interest

- RF/Microwave Devices Design
- Planar Technologies and Applications
- Metamaterial Antennas and Filters
- Metamaterial Sensors and Applications
- Radio Frequency Identification (RFID)
- Microwave Absorbers
- Terahertz Science and Technology

### Research Grants

### Student Supervisions

- 2 PhD students (member) . on-going

### Publications

#### JOURNAL ARTICLES

- **A. R. H. Alhawari**, A. Ismail, M. A. Mahdi, and R. S. A. R. Abdullah, "Antipodal Vivaldi antenna performance booster exploiting snug-in negative index metamaterial," *Progress In Electromagnetics Research C*, Vol. 27, pp. 265. 279, 2012.



- **A. R. H. Alhawari**, A. Ismail, M. A. Mahdi, and R. S. A. R. Abdullah, %Miniaturized ultra-wideband antenna using microstrip negative index metamaterial,+ Electromagnetics, Vol. 31, No. 6, pp. 404. 418, 2011.
- **A. R. H. Alhawari**, A. Ismail, M. A. Mahdi, and R. S. A. R. Abdullah, %Development of novel tunable dual-band negative index metamaterial using open stub-loaded stepped-impedance resonator,+Progress In Electromagnetics Research B, Vol. 35, pp. 111. 131, 2011.
- **A. R. H. Alhawari** and A. Ismail, %Compact wideband bandpass filter using single corners-cut isosceles triangular patch resonator,+Progress In Electromagnetics Research C, Vol. 14, pp. 227. 237, 2010.
- **A. R. H. Alhawari**, A. Ismail, M. F. A. Rasid, R. S. A. R. Abdullah, B. K. Esfeh, and H. Adam, %Compact microstrip bandpass filter with sharp passband skirts using square spiral resonators and embedded-resonators,+Journal of Electromagnetic Waves and Application., Vol. 23, pp. 675. 683, 2009.
- H. Adam, A. Ismail, M. A. Mahdi, M. S. Razalli, **A. R. H. Alhawari**, and B. K. Esfeh, %band miniaturized wideband bandpass filter utilizing multilayered microstrip hairpin resonator,+Progress In Electromagnetics Research, PIER 93, pp. 177. 188, 2009.
- K. Esfeh, A. Ismail, R. S. A. R. Abdullah, H. Adam, and **A. R. H. Alhawari**, %Compact narrowband bandpass filter using dual-mode octagonal meandered loop resonator for WiMax application,+Progress In Electromagnetics Research B, Vol. 16, pp. 277. 290, 2009.
- H. Adam, A. Ismail, M. A. Mahdi, and **A. R. H. Alhawari**, %Compact wideband bandpass filter using hybrid hairpin and half wave parallel coupled resonator in multilayer microstrip configuration for X-band application,+ Journal of Electromagnetic Waves and Application., Vol. 23, pp. 1855. 1865, 2009.

## CONFERENCE PROCEEDINGS

- **A. R. H. Alhawari**, A. Ismail, and M. A. Mahdi, %Compact ultra-wideband metamaterial antenna,+ In Proceeding of the 16th Asia-Pacific Conference on Communications (APCC 2010), 31 October. 3 November 2010, Auckland, New Zealand.
- **A. R. H. Alhawari**, A. Ismail, M. A. Mahdi, and R. S. A. R. Abdullah %Tunable dual-band metamaterial using open stub-loaded stepped-impedance resonator+ In Proceeding of the 17th Asia-Pacific Conference on Communications (APCC 2011), 2. 5 October 2011, Sutera Harbour Resort, Kota Kinabalu, Sabah, Malaysia.
- **A. R. H. Alhawari**, A. Ismail, M. A. Mahdi, and R. S. A. R. Abdullah %Snug and boost negative-index metamaterial Vivaldi antenna,+ Submitted to the World Congress on Engineering & Technology 2012 (WCET2012), 1. 3 June 2012, Almaty, Kazakstan.
- **A. R. H. Alhawari**, A. Ismail, M. F. A. Rasid, and, R. S. A. R. Abdullah, %Compact microstrip bandpass filter using dissimilar coupled resonators with elliptic function passband,+ In Proceedings of IEEE 2008 Student Conference on Research and Development (SCORed 2008), 26. 27 November 2008 Johor, Malaysia.
- **A. R. H. Alhawari**, A. Ismail, M. F. A. Rasid, and, R. S. A. R. Abdullah, %Miniaturized multilayer bandpass filter using coupled spiral resonators for wireless communication applications,+In Proceedings of Asia-Pacific Symposium on Applied Electromagnetics and Mechanics 2010 (APSAEM 2010), 28. 30 July 2010, Kuala Lumpur, Malaysia.



- **A. R. H. Alhawari**, A. Ismail, and S. A. B. Awwad, %Wideband bandpass filter using single isosceles triangular patch resonator with corners-cut perturbation,+In Proceedings of Word Engineering Congress (WEC2010), 02. 05 August 2010, Kuching, Sarawak, Malaysia.