



CURRICULUM VITAE



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Academic Qualifications

- Ph.D. in Signal Processing, Imperial College London, UK. (Thesis: Quaternion-Valued Nonlinear Adaptive Filters)
- B.Eng. with Honor Electronics majoring in Telecommunications, Multimedia University, Malaysia.

Language Proficiency

Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English					X
Bahasa Melayu					X
Chinese	X				
Lain-lain (<i>other</i>):					
<i>Arabic</i>	X				

Appointments

- April 2007 to date Tutor, Faculty Of Engineering, UPM
- January 2007 to April 2007 Research Assistant, Faculty Of Engineering, UPM
- August 2005 to December 2005 Transmission Engineer Trainee, Maxis Communications Berhad

Areas of Interest

- Signal Processing . Statistical Algorithms, Filters, Neural Networks.
- Quaternions . Analyticity, Holomorphic, Nonlinear functions.
- Wind Energy . Wind Prediction

Publications

Journals

- B. Che Ujang, C. Cheong Took and D. P. Mandic, %Quaternion valued nonlinear adaptive filtering+, IEEE Transactions on Neural Networks, vol. 22, no. 8, pp. 1193-1206, 2011.
- B. Che Ujang, C. Cheong Took and D. P. Mandic, %Split quaternion nonlinear adaptive filtering+, Neural Networks, vol. 23, no. 3, pp. 426-434, 2010.



Conference Papers

- B. Che Ujang, C. Cheong Took and D. P. Mandic, "On quaternion analyticity: enabling quaternion-valued adaptive filtering", In Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), March 25-30, 2012, Kyoto, Japan.
- B. Che Ujang, C. Cheong Took and D. P. Mandic, "Identification of improper processes by variable tap-length complex valued adaptive filters", In Proceedings of International Joint Conference on Neural Networks (IJCNN), pp. 1-6, July 18-23, 2010, Barcelona, Spain.
- B. Che Ujang, C. Cheong Took and D. P. Mandic, "A split quaternion nonlinear adaptive filter", In Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), pp. 1745-1748, April 19-24, 2009, Taipei, Taiwan