

CURRICULUM VITAE

Dr. Abdul Ghani Abro

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Academic Qualifications

Degree/ Qualification	Year	University	CGPA/ Percentage	Main Subjects
PhD	July 2013	Universiti Sains Malaysia (USM)		Computational Intelligence and Its Applications in Power Systems
M. Engg.	June 2008	NED University Karachi, Pakistan	3.67/4.00	Electrical Power Engineering
B.E	April 2005	MUET Jamshoro, Pakistan	75%	Electrical Engineering

Employment Record and Experience

Position/ Job Title	Department	Years of Experience
Assistant Professor	Electrical Engineering, College of Applied Engineering, KSU Muzahimiyah	September 2014 - till-date
Teaching Assistant	Electrical & Electronic Engineering, USM Malaysia	July 2010 to June 2013
Assistant Professor	Electrical Engineering, NED UET Pakistan	October 2008-July 2014
Lecturer	Electrical Engineering NED UET Pakistan	Jan 2006- Sept 2008
Class Advisor	Final Year/ Elect: Dept. NED UET Pakistan	January 2009-May 2010
Laboratory In-charge	Electrical Machines Lab/ Elect: Dept. NED UET Pakistan	September 2007-June 2009

Awards

1. PhD, fully funded (Monthly Stipend, Semester Registration and Examination Fees) by Universiti Sains Malaysia through Post-graduation Fellowship Scheme. This scheme is one of the most prestigious postgraduate scholarship scheme of the university.
2. M. Engg, fully funded (Semester Registration and Examination Fees) by NED UET Karachi.

3. Faculty Professional Development Training–Funded by Higher Education Commission Pakistan (1st June to 16th July 2008; 45 Days). This training was related to Pedagogical Skills, Research Methodologies and English Language.

Service-Activities / Academic Recognition

Serving as reviewer for the following International Journals

1. Information Sciences (Impact Factor 3.643)
2. Applied Soft Computing (Impact Factor 2.140)
3. International Journal of Electrical Power and Energy Systems (Impact Factor 3.432)

Selected Publications

Selected International Journal Publications

1. N. Sulaiman, J. Mohamad-Saleh, and **A. Ghani Abro**, "New Enhanced Artificial Bee Colony (JA-ABC5) Algorithm with Application for Reactive Power Optimization ," *The Scientific World Journal*, Article ID 396189, (In press, 2014)
2. N. Sulaiman, J. Mohamad-Saleh, and **A. Ghani Abro**, "Robust Variant of Artificial Bee Colony (JA-ABC4b)," *International Journal of Bio-Inspired Computation (IJBIC)*. (Accepted, 2015)
3. **Abdul Ghani Abro** and Junita Mohamad-Saleh, "Enhanced Probability-Selection Artificial Bee Colony Algorithm For Economic Load Dispatch, A Comprehensive Analysis" *Engineering Optimization*, 2014, Vol. 46 (10), pp. 1315–1330.
4. **Abdul Ghani Abro** and Junita Mohamad-Saleh, "Multiple-global-best guided artificial bee colony algorithm for Induction motor parameter estimation", *Turkish Journal of Electrical Engineering and Computer Sciences*, Vol 22, 2014
5. **Abdul Ghani Abro** and Junita Mohamad-Saleh, "ANN based synchronous generator excitation system for transient stability enhancement and voltage regulation", *Applied Artificial Intelligence*, Vol. 27 (1), 2013, pp. 20 - 35.
6. **Abdul Ghani Abro** and Junita Mohamad-Saleh, "Control of power system stability – Reviewed solutions based on intelligent systems", *International Journal of Innovative Computing, Information and Control* Vol. 8 (10(A)), 2012, pp. 6643 - 6666.

7. **Abdul Ghani Abro** and Junita Mohamad-Saleh, “*Features selection for training generator excitation neurocontroller using statistical methods*” Communications in Computer and Information Science, Springer - Verlag Berlin Heidelberg, 2011, pp. 353 – 364.

Selected Conference Publications

8. **Abdul Ghani Abro** and Junita Mohamad-Saleh, “*PID-AVR Optimization Using Enhanced Artificial Bee Colony Optimization Algorithm*”, Proceedings of International Conference on Applied Mathematics and Computational Methods in Engineering, July 16 – 19, 2013, Rhodes Island, Greece, pp. 68-73 (ISI and Scopus indexed)
9. Noorazliza Sulaiman, Junita Mohamad-Saleh and **Abdul Ghani Abro** “*A Modified Artificial Bee Colony (JA-ABC) Optimization Algorithm*”, Proceedings of International Conference on Applied Mathematics and Computational Methods in Engineering, July 16 – 19, 2013, Rhodes Island, Greece, pp. 74-79. (ISI and Scopus indexed)
10. **Abdul Ghani Abro** and Junita Mohamad-Saleh, “*Intelligent scout-bee based artificial bee colony optimization algorithm*” Proceedings of IEEE international conference on control systems, computing and engineering, 23 – 25 November 2012, Penang – Malaysia, pp. 380 – 385. (Scopus indexed).
11. **Abdul Ghani Abro** and Junita Mohamad-Saleh, “*Enhanced global-best artificial bee colony optimization algorithm*” Proceedings of 2nd International conference on intelligent systems and informatics, 19 – 21 November 2012, Bandung – Indonesia, pp. 95 – 100. (Scopus indexed)
12. **Abdul Ghani Abro** and Junita Mohamad-Saleh, “*An enhanced artificial bee colony optimization algorithm*” Proceedings of 3rd International Conference on Mathematical Models for Engineering Science WSEAS, 2 – 4 December 2012, Paris – France, pp. 222 – 227. (ISI and Scopus indexed)
13. **Abdul Ghani Abro** and Junita Mohamad-Saleh, “*A model free estimation based neurocontroller for synchronous generator excitation to enhance transient stability*” Proceedings of Fifth Asia Modelling Symposium (AMS), 24 – 26 May 2011, Kuala Lumpur-Malaysia and Manila-Philippine, pp. 151 – 156. (Scopus indexed)

Book Chapters

14. Noorazliza Sulaiman, Junita Mohamad-Saleh and **Abdul Ghani Abro**, "*A Fitter Population Based Artificial Bee Colony Optimization Algorithm*", Computational Problems in Engineering, Springer Verlag. (Editors: Prof. N.E. Mastorakis, Prof. V. Mladenov) (In Press)
15. J. Mohamad-Saleh, N. Sulaiman, and **A. Ghani Abro**, "A Fitter-Population Based Artificial Bee Colony (JA-ABC) Optimization Algorithm," *Computational Problems in Engineering*, vol. 307, Springer International Publishing: 2014, pp. 153-160. (Editors: Prof. N.E. Mastorakis, Prof. V. Mladenov).