

DR. YUSUF A. AL-TURKI*Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Power Engineering	University of Manchester, U.K	1985
BS	Electrical Engineering	King Abdulaziz Univ.	1980

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i> <i>(Chair, Full or Coordinator, etc.)</i>	<i>Part Time or Full Time</i>
1985	1991	King Abdulaziz Univ.	Assistant Professor		Full Time
1991	1999	King Abdulaziz Univ.	Associate Professor		Full Time
1999	Date	King Abdulaziz Univ.	Professor		Full Time

Non Academic Experience *(including Consultations)*

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position</i> <i>(Brief)</i>	<i>Description</i>	<i>Full or Part Time</i>
1995	1997	Department of Electrical and Computer Engineering, KAU	Chairman			Full Time
1997	1999	Faculty of Engineering, KAU	Vice Dean	For Administrative and Financial Affairs		Full Time
2001	2002	Development and Studies Unit, Institute of Research and Consultations, KAU	Director			Full Time
2002	2006	Institute of Research and Consultations, KAU	Vice Dean			Full Time
2006	Date	Deanship of Scientific Research, KAU	Dean			Full Time

Funded Research Projects and Patents from the Past Five Years

1. Attia, Abdel-Fattah, Al-Turki, Yusuf A., Abdullah Mohamed Abusorrah, (1431). a Genetic Based Fuzzy Controller for Optimal Power Flow. Project no. (444-305-431), Pages. 1:55.
2. Al-Turki, Yusuf A., Hussien F. Soliman, Abdul-Fattah Attia, (1430). Adaptive Fuzzy Logic Controller for Supervisory Power System Stabilizers of a Two-Machine System Based on Genetic Algorithms. Project no. (4-21-430), Pages. 1:37.
3. Al-Turki, Yusuf A., Hussien F. Soliman, (1429). Hybrid Genetic/Fuzzy Controller Algorithms for Improving The Dynamic Performance of Self-Excited Induction Generator. Project no. (4-21-429), Pages. 1:50.

Certifications and Professional Registrations**Current Membership in Professional Societies and Organizations**

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
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1. Saudi Arabia Standard Organization SASO	Member	1995
2. Institute of Electrical and Electronics Engineers, IEEE	Member	1982

Honors and Awards

Institutional and Professional Services *(administration, committees, units, etc.)*

1. Chairman of Elect. Eng. Dept.
2. Member, Electrical Energy Saving Committee
3. Coordinator, Committee for The Maintenance of University Hospital Equipments
4. Member, Natural Disasters Committee
5. Member, Committee of Electrical Energy Planning for Students Campus
6. Chairman, Technical Committee for Studying and Solving The Problems of Power Interruptions In The Hospital
7. Member, Executive Committee of The Symposium of Land Transportation
8. Chairman, Secretary Committee (and Member of The Exec. Comm.) for The Symposium on The Development of The Engineering Education
9. Chairman, Secretary Committee (and Member of The Exec. Comm.) for The Fourth Saudi Engineering Conference
10. Chairman, Secretary Committee (and Member of The Exec. Comm.) for “Oyoon” Water Conference.
11. Chairman, Self-financing Employment Board At KAU.
12. Member, University-KACST Research Committee.
13. Director, S&T Unit.
14. Board Member, Saudi Electric Company (SEC). (2011-Date)

Principal Publications/Presentations from the Past Five Years

1. Attia, Abdel-Fattah, Yusuf A. Al-Turki, Hussein F. Soliman (2012) Genetic Algorithm-Based Fuzzy Controller for Improving The Dynamic Performance of Self-Excited Induction Generator. Arabian Journal for Science and Engineering, Volume 37, Number 3, Pages 665-682
2. Al-Turki, Yusuf A., Abdel-Fattah Attia, Hussein F. Soliman (2012) Optimization of Fuzzy Logic Controller for Supervisory Power System Stabilizers. Acta Polytechnika Journal, ČVUT. vol 52 no. 2/2012.
3. Attia, Abdel-Fattah, Yusuf A. Al-Turki, Abdullah M. Abusorrah (2012) : Optimal Power Flow using Adapted Genetic Algorithm with Adjusting Population Size, Electric Power Components and Systems, 40:11,1285-1299
4. Abusorrah A. M., Abdel-Fattah Attia and Yusuf A. Al-Turki (2010), Optimal Power Flow Based on Linear Adapted Genetic Algorithm. Proceedings of The 9th WSEAS International Conference on Applications of Electrical Engineering, Pages 199-203

Recent Professional Development Activities *(Workshops, training, etc.)*

1. The Use of ISI Database for Better Research.
2. Avoiding Plagiarism, a Series of Training for KAU Staff.