Dr. Abdulsalam Saeed A Alghamdi Associate Professor, Electrical and Computer Engineering Dept, King Abdulaziz University						
Education				-		
Degree		Field of Study		Institution		Year
PhD		Electrical Engineering University of M		•		
MSc		Electrical Power and Energy Systems University of Ma		anchester,UK	1990	
BSc		Electrical Engineering King Abdulaziz U		University	1988	
Ma	jor Acado		=			
	From	To	Institution	Rank	Title	Full/ Part-time
	2013	Now	King Salman bin Abdulaziz Chair for Energy in KAU	Director	Director	Full Time +
	2008	Now	King Abdulaziz University, KSA	Associate Professor	Faculty member	Full Time
	2002	2006	Head of the Council for Technical Education and Vocational Training in Jeddah Governorate.	Director	Director	Full Time
	1998	2006	Dean of the Jeddah College of Technology	Dean	Dean	Full Time
	1993	2000	Jeddah College of Technology	Assistant Professor	Faculty Member	Full Time
	1988	1993	Jeddah College of Technology	Teaching Assistant	Teaching Assistant	Full Time
1- Institutional Administration						
	From	To	Institution		Rank	Full/ Part-time
	2013 Now King Salman ben Abdulaziz C		King Salman ben Abdulaziz Chair fo	or Energy	Director	Full Time
	2002 2006 Head of the Council for Technical Education and Vocational Training in Jeddah Governorate.			Head	Full Time	
	1998 2006 Dean of Jeddah College of Technology.		Dean	Full Time		
	1994 1998 Vice-Dean of Jeddah College of Technology		Vice-Dean	Full Time		
2-	Professio	onal Services (administration, committees, units, etc.)				
	From	To	Responsibilities		Title	Full/ Part- time
	Curricula. He authored and coauthored th				Part Time	
					Part Time	
				ectrical Power coauthored the High voltage on workshop. 3-	Head	Part Time

- 2002 2006 Member of the Training and Rehabilitation Team Member Emanating from the Makkah District Council.
 2001 2005 Director of the Training and Employment Office in Jeddah Governorate The National Training and
 - Employment Project in Makkah Region, Under HRH the Emir of Makkah Region, Prince Abdulmajeed bin Abdulaziz.

Funded Research Projects (Last Five Years)

- **1.** Distributed Powerhouses: Solar Assisted Electrical and Thermal Demand Reduction in Saudi Arabia Housing. Ministry of Education, International Collaboration Program between King Abdulaziz University Saudi Arabia and University of Southampton UK, 2020 2023. (7,330,707 SR = 1,954,855 US\$).
- 2. King Salman bin Abdulaziz Chair for Energy Research. King Abdulaziz University. (6000000 SR = 1,600,000 US\$) (2013 now)

Publications – Books (Last 5 years)

1. **Abdulsalam S Alghamdi**, "Fundamentals of High Voltage Engineering", (in Arabic) Scientific Publishing Centre, King Abdulaziz University, Jeddah. Dec 2019.

Major Publications (Last Five Years)

- 1. Amara, W, Oueslati, D, Eltresy, N, **Alghamdi, A.** Parametric study of modified dipole nano-antennas printed on thick substrates for infrared energy harvesting. Int J Numer Model. 25 Nov 2019; e2704. https://doi.org/10.1002/jnm.2704
- 2. Hassan Baaqeel, Faissal Abdelhady, **Abdulsalam S. Alghamdi**, Mahmoud M. El-Halwagi, Optimal design and scheduling of a solar-assisted domestic desalination systems, Computers & Chemical Engineering, Volume 132, 2020, 106605, ISSN 0098-1354, https://doi.org/10.1016/j.compchemeng.2019.106605.
- 3. **Alghamdi**, **A. S.** (2019). Potential for Rooftop-Mounted PV Power Generation to Meet Domestic Electrical Demand in Saudi Arabia: Case Study of a Villa in Jeddah. Energies, 12(23), 4411.
- 4. **Alghamdi, A. S.**, Bahaj, A. S., Blunden, L. S., & Wu, Y. (2019). Dust Removal from Solar PV Modules by Automated Cleaning Systems. Energies, 12(15), pp 2923-2944.
- 5. Ramli, M. A., Bouchekara, H. R. E. H., & **Alghamdi, A. S.** (2019). Efficient energy management in a microgrid with intermittent renewable energy and storage sources. Sustainability, 11(14), 3839.
- 6. **Alghamdi, A. S.**, Magnetic Field Exposure Assessment During Live Line Maintenance in Saudi Arabia. International Journal of Innovations in Engineering and Technology (IJIET), ISSN: 2319-
- 7. Makbul A. M. Ramli, H. R. E. H. Bouchekara, and **Abdulsalam S. Alghamdi** "Optimal sizing of PV/wind/diesel hybrid microgrid system using multi-objective self-adaptive differential evolution algorithm." Renewable Energy, Volume 121, June 2018, Pages 400-411.
- 8. **Alghamdi, Abdulsalam S.**, AbuBakr S. Bahaj, and Yue Wu. "Assessment of Large Scale Photovoltaic Power Generation from Carport Canopies." Energies 10.5 (2017): 686.
- 9. A.S. Alghamdi, "Reduction of Magnetizing Inrush Current in the Transformers". Engineering Research Bulletin, Menoufiya University, Egypt, Vol. 21, No. 1, PP. 121-132, 1998.
- 10. **A.S.G. Alghamdi**, D.W. Auckland, A.J. Risino, B.R. Varlow, "Reducing Variability in Inclined Plane Tracking Test Results". IEEE Transaction on Dielectrics and Electrical Insulation, Vol. 3, No. 3, PP. 439-443, 1996.
- 11. **A.S. Alghamdi**, D. Mills, P. Lwein, G. Chen "Factors Influencing Space Charge and Electroluminescence of Epoxy Resin", Experimental data were collected, and a paper will be submitted to the IEEE (Electrical Insulation and Dielectrics Transaction) ongoing research.

Patents (Last Five Years)

ABDEL-HADY, F. E., & **ALGHAMDI, A. S.** (2019). FOLDABLE PARABOLIC SOLAR COLLECTOR, U.S. Patent No. 10,208,984. Washington, DC: U.S. Patent and Trademark Office.

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

1. Training session on "Innovation and Creative Research", organized by the Deanship of Scientific Research (DSR) at King Abdulaziz University and presented by Prof. Luck, Jeddah, Saudi Arabia, 15-16 April 2015.