

**DR. FAHAD S. ALSOKHIRY***Assistant Professor, Department of Electrical and Computer Engineering, King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Electronic and Electrical Engineering	University of Strathclyde	2015
MS	Electrical Power Engineering with Business	University of Strathclyde	2010
BS	Electrical Engineering (Power & Machines) with Honours	King Abdulaziz University	2007

**Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
2008	2010	King Abdulaziz University	Demonstrator		Full
2010	2016	University of Strathclyde	Research Student		Full
2016	Date	King Abdulaziz University	Assistant Professor		Full

**Non-Academic Experience (Including Consultations)**

1. Planning Engineer, Saudi Electricity Company, Jeddah, Saudi Arabia, 2007 – 2008.
2. Founder and Director of Smart and Sustainable Power Expertise House 2018 – Date

**Funded Research Projects and Patents From The Last Five Years**

1. King Abdulaziz University, Graduate Scholarship to University of Strathclyde, Glasgow, UK for Master and PhD Degrees 2009 – 2016.
2. Research Project (RG-5-135-38) Modular Two-Level Converter for Medium and High Voltage Applications, Funded by DSR (King Abdulaziz University).

**Certifications and Professional Registrations**

1. Expert Consultant Certificate in Renewable Energy by European Energy Centre (EEC), Edinburgh, UK in December 2013.
2. Expert Consultant Certificate in Solar Energy by European Energy Centre (EEC), Edinburgh, UK in December 2013.
3. Galileo Master Certificate in the Renewable Energy Solutions, Edinburgh, UK in December 2013.
4. Galileo Master Certificate in the Wind Power, Edinburgh, UK in December 2013.
5. Galileo Master Certificate in the Solar Water Heating, Edinburgh, UK in December 2013.
6. Galileo Master Certificate in the Electrics for Renewable, Edinburgh, UK in November 2013.
7. Galileo Master Certificate in the Solar Photovoltaic, Edinburgh, UK in November 2013.
8. Galileo Master Certificate in the Renewable Energy Management & Finance, Edinburgh, UK in November 2013.

**Current Membership in Professional Societies and Organizations**

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1. CIGRE ( <i>International Council on Large Electric Systems</i> ) Member (Full Individual Member of CIGRE)	Member	2014
2. IET ( <i>Institution of Engineering and Technology</i> )	Member	2014
3. IEEE Smart Grid	Member	2014
4. IEEE PELS ( <i>Power Electronics Society</i> )	Member	2013
5. IEEE PES ( <i>Power &amp; Energy Society</i> )	Member	2013
6. IEEE ( <i>Institute of Electrical and Electronics Engineers</i> )	Member	2014
7. EEC ( <i>European Energy Centre</i> )	Member	2014

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|-----|---|----------------|-----------|
| 8.  | IEEE ( <i>Institute of Electrical and Electronics Engineers</i> ) | Student-Member | 2012-2014 |
| 9.  | Saudi Council of Engineers  | Member         | 2008      |
| 10. | Faculty of Engineering Teaching Staff Member, KAU                 | Member         | 2008      |

### Honors and Awards

1. Distinction Certificate and Award from the Royal Embassy of Saudi Arabia, London, UK in 2014.
2. Distinction Certificate and Award from the Royal Embassy of Saudi Arabia, London, UK in 2013.
3. Distinction Certificate and Award from the Royal Embassy of Saudi Arabia, London, UK in 2012.
4. Excellent Progress Certificates in English courses (March – August 2009), University of Strathclyde, Glasgow, UK.
5. Distinction Certificate and Award for the first and second semesters of 2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007 (BSc. Program), King Abdulaziz University, Jeddah, Saudi Arabia

### Institutional and Professional Services

NGN CIGRE (*International Council on Large Electric Systems*) Steering Committee Member 2014 – 2017.

### Principal Publications/Presentations from the Past Five Years

1. **F. Alsokhiry**, et al., "Contribution of distributed generation to ancillary services," in Universities Power Engineering Conference (UPEC), 2012 47th International, 2012, pp. 1-5.
2. **F. Alsokhiry** and K. L. Lo, "Distributed generation based on renewable energy providing frequency response ancillary services," in Power Engineering, Energy and Electrical Drives (POWERENG), 2013 Fourth International Conference on, 2013, pp. 1200-1205.
3. **F. Alsokhiry** and K. L. Lo, "Effect of distributed generations based on renewable Energy on the transient fault – ride through," in 2nd International Conference on Renewable Energy Research and Applications ICRERA 2013, 2013, pp. 1-5.
4. **F. Alsokhiry** and K. L. Lo, "Provision of reactive power support ancillary services from distributed generation based on renewable Energy," in 2nd International Conference on Renewable Energy Research and Applications ICRERA 2013, 2013, pp. 1-6.
5. Rafferty, John; Xu, Lie; Wang, Yi; Xu, Guoyi; **Alsokhiry, Fahad**: 'Frequency support using multi-terminal HVDC systems based on DC voltage manipulation', IET Renewable Power Generation, 2016, 10, (9), p. 1393-1401, DOI: 10.1049/iet-rpg.2016.0140.
6. G. P. Adam, **F. Alsokhiry**, I. Abdelsalam, K. H. Ahmed, and Y. Al-Turki, "Controlled transition bridge converter: Operating principle, control and application in HVDC transmission systems," Electric Power Systems Research, vol. 163, pp. 98-109, Oct 2018.

### Recent Professional Development Activities (*Workshops, Trainings etc.*)

1. PSCAD/EMTDC Course, Photovoltaic and Wind Tutorials Included by the Manitoba HVDC Research Centre (July 2011), University of Strathclyde, Glasgow, UK.
2. Endnote (RDP) (5<sup>th</sup> February 2013), University of Strathclyde, Glasgow, UK.
3. Writing and Presenting Research (15<sup>th</sup> – 17<sup>th</sup> January 2013), University of Strathclyde, Glasgow, UK.
4. HVDC Transmission: Developments and Challenges (21st October 2013), Institute for Research in Technology IIT, Comillas Pontifical University, Madrid, Spain.
5. Maximum Power Techniques of Photovoltaic Systems (22<sup>nd</sup> October 2013), Institute for Research in Technology – IIT, Comillas Pontifical University, Madrid, Spain.
6. Workshop on MATLAB (June 2014), University of Strathclyde, Glasgow, UK.
7. IEEE Authorship Workshop, How to Publish a Technical Paper with IEEE (20<sup>th</sup> October 2014), University of Glasgow, Glasgow, UK.
8. Current and Future Challenges for Electrical Power Systems Workshop (19<sup>th</sup> November 2014), University of Manchester, Manchester, UK.
9. Next Generation Network (NGN) CIGRE General Meeting (19<sup>th</sup> November 2014), University of Manchester, Manchester, UK.
10. Social Media BootCamp (24<sup>th</sup> November 2014), University of Strathclyde, Glasgow, UK.
11. HVDC Technology and Applications (1<sup>st</sup> – 4<sup>th</sup> December 2014), University of Strathclyde, Glasgow, UK.