

HATEM FAIZ SINDI*PhD, Department of Electrical and Computer Engineering, King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
Ph.D.	Electrical and Computer Engineering	University of Waterloo	2018
MS	Electrical and Computer Engineering	University of Waterloo	2013
BS	Electrical Power and Machines	King AbdulAziz University	2007

Academic Experience

<i>From To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
2015 – 2018	University of Waterloo	xxx	Teaching Assistant	xxx
Spring 2017	University of Waterloo	xxx	Sessional Laboratory Instructor	xxx
xxx	University of Waterloo	xxx	Graduate Research	xxx
2008 – 2009	King AbdulAziz University	xxx	Graduate Assistant	xxx
2003 – 2007	King AbdulAziz University	xxx	Undergraduate Teaching Assistant	xxx

Non-Academic Experience (Including Consultations)

<i>From To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
2003 – 2007	Rehab Al-Safwah Inc.	xxx	Administrator	xxx
2007	Saudi Aramco	xxx	Electrical Engineer Intern	xxx

Funded Research Projects and Patents From The Last Five Years**Certifications and Professional Registrations**

- Student Leadership Program, Department of Organizational & Human Development, University of Waterloo (2012)
- Fundamentals of University Teaching Program, Center for Teaching Excellence, University of Waterloo (2012)

Current Membership in Professional Societies and Organizations

	<i>Society/Organization</i>	<i>Rank</i>	<i>Since</i>
i.	Professional Engineers Ontario	EIT	2018 – Present
ii.	Institution of Electrical and Electronics Engineers (IEEE)	Member	(2008 – Present)
iii.	Saudi Council of Engineers	Member	(2007 – Present)

Honors and Awards

- Best TA Certificate, University of Waterloo (2017)
- ExpecTAtions Workshop Mentor (2016)
- Acted as a graduate student, experienced Teaching Assistant (TA), and mentor to new PhD, MASc, and MEng students in the Electrical & Computer Engineering department at the University of Waterloo alongside a faculty mentor
- Faculty of Engineering Award, University of Waterloo (Winter 2016)
- Faculty of Engineering Award, University of Waterloo (Spring 2016)
- Research Bench Fees Award, Saudi Arabian Cultural Bureau (2014)
- Academic Leadership Development Workshop, Saudi Arabian Cultural Bureau (2013)
- Fundamentals in University Teaching Certificate, University of Waterloo (2012)
- Organizational & Human Development's Student Leadership Certificate, University of Waterloo (2012)

Institutional and Professional Services

Principal Publications/Presentations from the Past Five Years

- H. Sindi E. El-Saadany (2016). "Unified Reliability Index Development for Utility Performance Assessment." *Intelligent Industrial Systems*, 2(2), 149-161, Springer. doi: 10.1007/s40903-016-0047-8.
- H. Sindi, Shaaban, M., & Saadany, E. El. (2016). "Distributed generation long-term planning in smart distribution systems considering daily optimal operation," *International Journal of Process Systems Engineering*, 4(1), 19, Inderscience. doi: 10.1504/IJPSE.2016.081206.
- H. Sindi, M. Shaaban and E. El-Saadany, "Distributed generation long-term planning in unbalanced smart distribution systems using hourly optimal operation," 2016 CIGRE' Canada Conference, At Vancouver, BC.
- H. Sindi, M. Shaaban and E. El-Saadany, "Distributed generation long-term planning for voltage profile enhancements using optimal hourly operation conditions," 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, BC, 2016, pp. 1-4. doi: 10.1109/CCECE.2016.7726625.
- M. Abdelwahed, H. Sindi and E. F. El-Saadany, "Power sharing control and wind power curtailing for offshore multi-terminal VSC-HVDC transmission," 2016 IEEE Smart Energy Grid Engineering (SEGE), Oshawa, ON, 2016, pp. 141-146. doi: 10.1109/SEGE.2016.7589515.
- H. Sindi, A. A. Hamad and E. F. El-Saadany, "Realization of market clearance alternatives in AC/DC hybrid microgrids," 2016 IEEE Smart Energy Grid Engineering (SEGE), Oshawa, ON, 2016, pp. 137-140. doi: 10.1109/SEGE.2016.7589514.
- H. Sindi, M. Shaaban and E. El-Saadany, "Strategic analysis of potential conflicts in the smart grid paradigm and their effects on the planning procedures of smart distribution systems," 2015 IEEE Electrical Power and Energy Conference (EPEC), London, ON, 2015, pp. 446-450. doi: 10.1109/EPEC.2015.7379992.
- H. Sindi, M. Shaaban and E. El-Saadany, "Distributed generation long-term planning in smart distribution systems considering daily optimal operation," 2015 IEEE International Conference on Smart Energy Grid Engineering (SEGE), Oshawa, ON, 2015, pp. 1-7. doi: 10.1109/SEGE.2015.7324604.
- H. Sindi, M. Shaaban and E. El-Saadany, "Utility Assessment based on a Unified Reliability Index Using Fuzzy Inference," 2014 CIGRE' Canada Conference, At Toronto, ON. doi: 10.13140/RG.2.1.1445.9040.

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