

Ahmad H. Milyani

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>
Ph.D.	Electrical Engineering	University of Washington	2019
MS	Electrical & Computer Engineering	Purdue University	2013
BS	Electrical & Computer Engineering	Purdue University	2011

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Full or Part Time</i>
2019	Date	King Abdulaziz Univ.	Assistant Professor	Full Time
2014	2019	University of Washington	Graduate Teaching Assistant	Part Time
2012	2019	King Abdulaziz Univ.	Demonstrator	Full Time

Non-Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Title</i>	<i>Full or Part Time</i>
2019	Date	Automation Laboratories at King Abdulaziz Univ.	Member	Part Time

Certifications and Professional Registrations

1. Certified LabVIEW Associate Developer, National Instruments (NI), Seattle, WA, USA, Sept. 2018

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Since</i>
1. IEEE	Member	2019
2. IEEE Power and Energy Society	Member	2019

Honors and Awards

1. Travel Grant, Clean Energy Institute, Seattle, WA, USA, Aug. 2018
2. Outstanding Scholar Award, Saudi Arabian Cultural Mission (SACM), Fairfax, VA, USA, May 2013
3. MS and PhD Academic Scholarship, King Abdulaziz University, Jeddah, KSA, Aug. 2012
4. Barret F. Robinson Outstanding Team Award, Purdue University, West Lafayette, IN, USA, May 2011
5. Dean's Honor List, Purdue University, West Lafayette, IN, USA, Dec.2007—May 2011

Institutional and Professional Services

1. Vice Chairman, General Courses Unit, King Abdulaziz University, Sept. 2019—Present
2. College of Engineering Coordinator, 11th Scientific Forum for King Abdulaziz University Students
3. Power & Machines Program Champion, ABET committee, Electrical and Computer Engineering, King Abdulaziz University, Sept. 2019—Present

4. Member, Center of Research Excellence in Renewable Energy and Power Systems, King Abdulaziz University, Sept. 2019—Present
5. Member, Assistant Professor Hiring Committee, Electrical and Computer Engineering, King Abdulaziz University, Sept. 2019—Present

Principal Publications/Presentations from the Past Five Years

1. **A. H. Milyani**, D. S. Kirschen and J. E. Contreras-Ocaña, "Market Power in the Presence of Carbon Taxes in Electricity Markets," *2019 IEEE Milan PowerTech*, Milan, Italy, 2019, pp. 1-6.
2. **A. H. Milyani** and D. S. Kirschen, "Optimally Designed Subsidies for Achieving Carbon Emissions Targets in Electric Power Systems," *2018 IEEE Power & Energy Society General Meeting (PESGM)*, Portland, OR, 2018, pp. 1-5.

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

1. Incorporating Blackboard in the Educational Process, Deanship of e-Learning and Distance Education, King Abdulaziz University, Jeddah, KSA, Feb. 2020
2. Creating Assignments and Exams via Blackboard, Deanship of e-Learning and Distance Education, King Abdulaziz University, Jeddah, KSA, Feb. 2020
3. Constructing and Activating Electronic Exams via Questionmark, Deanship of e-Learning and Distance Education, King Abdulaziz University, Jeddah, KSA, Feb. 2020
4. Creating and Designing Educational Videos, Deanship of e-Learning and Distance Education, King Abdulaziz University, Jeddah, KSA, Jan. 2020
5. Achieving Sustainable Demand Response via Resource Allocation in the Smart Grid, The 9th Saudi Arabia Smart Grid Conference, Jeddah, KSA, Dec. 2019
6. Integration of Renewable Energy to Power Systems, The 9th Saudi Arabia Smart Grid Conference, Jeddah, KSA, Dec. 2019
7. Internet of Things Services, The 9th Saudi Arabia Smart Grid Conference, Jeddah, KSA, Dec. 2019
8. Digital Resources for Science and Engineering, Center for Teaching and Learning Development, King Abdulaziz University, Jeddah, KSA, Nov. 2019
9. Artificial Intelligence in Education, Deanship of e-Learning and Distance Education, King Abdulaziz University, Jeddah, KSA, Nov. 2019
10. Institute for the Development of Excellence in Assessment Leadership (IDEAL), Jeddah, KSA, Sept. 2019
11. Nanofabrication Intensive Short Course, Washington Nanofabrication Facility, University of Washington, Seattle, WA, USA, Sept. 2018
12. Power Systems and Energy Markets, Orcas International Conference on Energy Conversion & Storage, Friday Harbor, WA, USA, Sept. 2018
13. Grid Architecture: Methods and Concepts for Modernizing Electric Power Systems, IEEE Power and Energy Society General Meeting, Portland, OR, USA, Aug. 2018
14. Energy Storage: An Introduction to Technologies, Applications, and Best Practices, IEEE Power and Energy Society General Meeting, Portland, OR, USA, Aug. 2018