

## Dr. Abdullah Bubshait

Assiatant Professor

### Personal Data:

Nationality | Saudi  
Date of Hire | 2012  
Date Rank Obtained | August/2018  
Department | Electrical Engineering  
Email | asbubshait@kfu.edu.sa  
Office No | 2122  
Office Phone No | 0135897782



### Education:

Academic Degree	Major	specialty	Place of Issue	Address	Date
Doctorate (PhD)	Electrical Engineering	Power Electronics and Energy Systems	Golden, CO, USA		08/2018
Masters (M.Sc.)	Electrical Engineering	System Identification	AB, Canada		08/2011
Bachelor (B.Sc.)	Electrical Engineering	Bachelor of Science	Dhahran, Eastern Province, KSA		06/2005

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions):

PhD	Wind Farm Advanced Modeling and Control for Smart-Grid Support
Master	Blind Identification of a Wiener-Bose Structure Using Expectation Maximization

### Experiences:

Title of Job	Address of Work	Country	Date	
Lecturer	King Faisal University	Saudi Arabia	From	2012
			To	2018
Assistant Professor	King Faisal University	Saudi Arabia	From	2018
			To	Present

### Research Interests:

1. Power System
2. Power Quality
3. Integration of Renewable Energy Systems
4. Control and Design of Grid Following and Grid Forming Inverters

## Publications:

#	Name of author(s)	Title of Publication	Publisher and Date of Publication	Link of Publication
1	Abdullah S Bubshait, Ali Mortezaei, Marcelo Godoy Simoes, Tiago Davi Curi Busarello	Power quality enhancement for a grid connected wind turbine energy system	IEEE Transactions on Industry Applications	<a href="https://ieeexplore.ieee.org/abstract/document/7831363">https://ieeexplore.ieee.org/abstract/document/7831363</a>
2	Ali Mortezaei, Marcelo Godoy Simoes, Abdullah S Bubshait, Tiago Davi Curi Busarello, Fernando P Marafao, Ahmed Al-Durra	<b>Multifunctional Control Strategy for Asymmetrical Cascaded H-Bridge Inverter in Microgrid Applications</b>	IEEE Transactions on Industry Applications	<a href="https://ieeexplore.ieee.org/abstract/document/7740840">https://ieeexplore.ieee.org/abstract/document/7740840</a>
3	Marcelo Godoy Simões, Tiago Davi Curi Busarello, Abdullah Saad Bubshait, Farnaz Harirchi, José Antenor Pomilio, Frede Blaabjerg	<b>Interactive smart battery storage for a PV and wind hybrid energy management control based on conservative power theory</b>	Internation Journal of Control	<a href="https://www.tandfonline.com/doi/full/10.1080/00207179.2015.1102971">https://www.tandfonline.com/doi/full/10.1080/00207179.2015.1102971</a>
4	Marcelo Godoy Simões,	<b>Frequency Support of Smart Grid Using Fuzzy</b>	Energies	<a href="https://www.mdpi.com/1996-1073/12/8/1550">https://www.mdpi.com/1996-1073/12/8/1550</a>

	Abdullah Bubshait	<b>Logic-Based Controller for Wind Energy Systems</b>		
5	Saleh S Alharbi, Salah S Alharbi, Abdullah Bubshait, Hisham Alharbi, Abdulaziz Alateeq	<b>Effects of Wide Bandgap Devices on the Inverter Performance and Efficiency for Residential PV Applications</b>	Electronics	<a href="https://www.mdpi.com/2079-9292/14/6/1061">https://www.mdpi.com/2079-9292/14/6/1061</a>

#### Language Proficiency:

1. English
2. Arabic

Link to rest of My publications:

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&hl=en&user=o7e1XIEAAAAJ&pagesize=80](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=o7e1XIEAAAAJ&pagesize=80)