

Saeed Alyami

Riyadh

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EDUCATION

PhD., Electrical Engineering, Wayne State University, August 2016

M.S., Electrical Engineering, Wayne State University, 2011

B.S., Electrical Engineering, King Fahd University of Petroleum and Minerals, 2004

RESEARCH INTERESTS

- ◆ Power Systems, Distributed Generation Systems, Microgrids, Smart Grids
- ◆ Renewable/Alternative Energy Systems and System Integration
- ◆ Electric Drive Vehicles and Energy Storage Devices
- ◆ Diagnosis and Online Monitoring of Electric Apparatus

WORK EXPERIENCE

- 2017 to current: Assistant Professor at Majmaah University
- 2015- 2016 : Research Assistant, Electrical and Computer Engineering, Wayne State University
- 2013-2014 : Research Assistant in power system, Wayne State University
- From 5/6/2006G –3/1/2009: Saudi Electricity Institute for Engineering,

ENGINEERING & DESIGN DEPARTMENT/ EXTRA HIGH VOLTAGE SYSTEMS

DIVISION as power Engineer.

My main task was to review design submittals of under construction 380/132/13.8 kV transmission substations on Turn Key contracts. Throughout my work period I was teaching Engineers the design review of the following technical submittals:

380kV & 132kV Gas Insulated Switchgears (GIS).

500 MVA, 380/132kV Power Transformers.

Medium voltage, 13.8kV & 33kV, Switchgears.

Substation Auxiliary supply systems including sizing calculations of auxiliary

Transformers

DC supply system (Batteries & Chargers) and Low Voltage AC/ DC Distribution Boards.
Low Voltage & control / protection Cables & their laying arrangement.

- From 10/10/2004G –5/6/2006 : Company Contracting department for engineering, Saudi Electricity Company, Riyadh

Assigned to:

Coordinate & develop transmission substation & Overhead contracts documents for Turnkey contracts.

Coordinate & Evaluate with concerned proponents technical & commercial clarifications during bidding stage.

Coordinate & Evaluate with concerned proponents technical & commercial clarifications during Post bid clarifications.

PROFESSIONAL MEMBERSHIP

Student Member, IEEE,
Member, IEEE Power and Energy Society (PES)

JOURNAL PUBLICATIONS

- 1- Saeed Alyami, Yang Wang, C. Wang, Junhui Zhao, and Bo Zhao, "Adaptive Real Power Capping Method for Fair Overvoltage Regulation of Distribution Networks with High Penetration of PVs," *IEEE Transactions on Smart Grid*, 2014, vol. 5, no. 6, 2014

CONFERENCES PAPERS

1. S. Alyami, C. Wang, and C. Fu, "Development of autonomous schedules of controllable loads for cost reduction and PV accommodation in residential distribution networks," in *Electrical Power and Energy Conference (EPEC), 2015 IEEE*, 2015, pp. 81-86.
2. S. Alyami, Y. Wang, C. Wang, J. Zhao, and B. Zhao, "Adaptive real power capping method for fair overvoltage regulation of distribution networks with high penetration of PV systems, in Proc. IEEE-PES General Meeting, Denver, Colorado, July 2014
3. S. Alyami, Y. Wang, C. Wang, "Overvoltage Risk Analysis in Distribution Networks with High Penetration of PVs" 2016 International Conference on Probabilistic Methods Applied to Power Systems,

4. Chang Fu, Caisheng Wang, Saeed Alyami "LMI Based Stability Margin Analysis for Active PV Power Control of Distribution Networks with Time-Invariant Delays" 2018 in Proc. IEEE-PES General Meeting, Portland, OR, USA, August 5-10,2018

EDUCATIONAL ACTIVITIES

I am teaching :

Digital and Electronics

Circuits

Signals and Systems

Control Systems

Intro to Electrical Systems

Power Distribution Systems

Power System Stability

High Penetration of Photovoltaic

Digital Control Systems

PROFESSIONAL SERVICE

- Paper Referee in IEEE Transactions on Smart Grids.
- Paper Referee in IEEE Transactions on Power Systems.
- Coaching in Saudi Engineering Council

Trainer for Power Systems Courses

- Electricity: Generation, Transmission, Distribution, and Load.
- Advanced Electrical Substation Design in Saudi Arabia (380 KV, 230 KV, 132 KV, 110 KV, 13.8 KV)
- Advanced Protection for Electrical Substation
- High Penetration of PV connected to the Grid and off Grid.
- Renewable Energy for the Grid and Micro-Grid.

VOLUNTEER WORK EXPERIENCE

President of Saudi Student Association at Wayne State University 2012.

- Welcoming Saudi students coming to America.

- Assist in teaching Saudi students of the practices and cultures in America.
- Represent organization at community events.
- Inform American students of Saudi-Arabian culture.
- Participate in Saudi-Arabia National Day.

HOBBIES/INTERESTS

Playing soccer, Volleyball, and watching movies

References Available Upon Request