

Screen Althaher Curriculum Vitae

Education

2011-2015	Ph.D in Electrical Engineering The University of Manchester, Manchester, UK. Electrical Energy and Power Systems Thesis Title: Optimal Demand Response from Home Energy Management System: Modeling and Benefits for Distribution Networks.
2005-2008	M.Sc in Electrical Engineering The University of Jordan, Amman, Jordan
2000-2004	B.Sc in Electrical Engineering The University of Jordan, Amman, Jordan

Employment

Academic Experience

Assistant Professor at The University of Jordan (September 2016- Present)

Postdoctoral Research Associate in Smart Urban Energy Systems (The University of Manchester, UK, 2015- August 2016)

1. Pricing of distribution networks
2. Business case models to assess the benefits from demand response to facilitate the connection of low carbon technologies in distribution networks

Technical Experience

Wholesale Engineer (Orange, Jordan, 2008 - 2010)

1. Connection agreements for wholesales licensed operators and retailers
2. Strategic marketing plans
3. Costing models for wholesale services

Distribution Network Planning Engineer (The Electricity Distribution Company (EDCO), Jordan, 2005-2008)

1. Techno-economic studies for MV and LV distribution networks
2. Network design, budgeting and installation
3. Connection agreements for new network users
4. Distribution tariff studies

Trainings

1. Distribution and Transmission Tariff Setting-Methodologies and procedures, Jordan,

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2007, Provided by Mercados Energy Market International, Spain

2. CYMDIST/CYMTCC Distribution System Analysis Software. Jordan, 2005. Provided by CYME International T&D, Canada

Publications

Journal Publications

1. S. Althaher, P. Mancarella, and J. Mutale, "Automated Demand Response From Home Energy Management System Under Dynamic Pricing and Power and Comfort Constraints," IEEE Trans on Smart Grid, 2015.

Conference Publications

1. S. Althaher and J. Mutale, "Optimal Management of Residential Energy Through Implementation of Real Time Pricing and Demand Response," in 22nd International Conference on Electricity Distribution (CIRED), 2013 (accepted)
2. S. Althaher, P. Mancarella, and J. Mutale, "Optimal Management of Domestic Appliances with Dynamic Pricing and Automated Demand Response" in 2013 IEEE ISGT Europe, 2013 (accepted)
3. S. Althaher and J. Mutale, "Management and Control of Residential Energy through Implementation of Real Time Pricing and Demand Response," in Power and Energy Society General Meeting, 2012

Skills

1. Distribution systems analysis software; OpenDSS, CymDIST and PowerWorld.
2. Programming in VBA, Matlab and C++
3. Developing optimization-based algorithms using optimization modeling language

Memberships

1. Graduate student member of the Institute of Electrical and Electronic Engineers (IEEE) (2011-Present)
2. Member of the Society of Jordanian Engineers (2004-Present)

Reviewing for Journals

1. IEEE Transactions on Power Systems
2. IEEE Transactions on Smart Grid
3. IEEE Systems Journal

Languages

1. English: Professional working proficiency
2. Arabic: Native