

Curriculum Vitae
Name: Salem Mohammed Suleiman Al-Hinai

Personal Details

Current Address Muscat, Al-Khodh , SQU, College of Engineering, Department of Electrical and computer Engineering
PO.Box: 33, Postal code: 123
Sultanate of Oman

Dominant Address : Bahla
PO.Box: 344, Postal code: 612
Sultanate of Oman

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E-mail: salems@squ.edu.om
Date of birth: 31/03/1978
Sex: Male

Education

- Master of Applied Science/ Electrical and Computer Engineering from Dalhousie University, Nova Scotia, Canada, 2007
- B.S.c. in Electrical Engineering/ Power, Sultan Qaboos University (SQU), 2001

Skills

- Some skills on computing and software
- Communication languages Arabic and English
- Some skills on Safety

Conference Proceedings' Articles

1. M. H. Albadi, N Al-Mashaikhi, **S. Al Hinai**, R. Al-Abri, A Al-Hinai, Q Al-Aamri, A. Al-Mazidi and M Al-Gafri, Loss Reduction in Isolated Rural Area Distribution Network Using Photovoltaic System, submitted to The Journal of Engineering Research (TJER), Accepted 30 June 2015.
2. M. H. Albadi, A. S. Al Hinai, A. H. Al-Badi, M. S. Al Riyami, **S. M. Al Hinai**, and R.S Al Abri, “Unbalance in Power Systems- Review and Oman MIS Case Study”, IEEE International Conference on Industrial Technology 2015, Seville, Spain, 17-19 March 2015.
3. Al Maashri Ahmed ; Al-Abri Dawood ; Bait-Shiginah Fahad ; **Al-Hinai Salem**, “ECE first: An attempt to reinstate the favorability of ECE program”, GCC Conference and Exhibition (GCCCE), 2015 IEEE 8th
4. M. H. Albadi, A. S. Al Hinai, A. H. Al-Badi, M. S. Al Riyami, **S. M. Al Hinai**, R. S Al Abri, Measurements and Evaluation of Flicker in High Voltage Networks – Case Study, International Conference on Renewable

Energies and Power Quality (ICREPQ'14), Cordoba, Spain, 8-10 April 2014.

5. M. H. Albadi, A. S. Al Hinai, A. H. Al-Badi, M. S. Al Riyami, **S. M. Al Hinai**, R. S Al Abri, Measurements and Evaluation of Harmonics in HV Networks – Oman MIS Case Study, 7th IEEE GCC Conference and Exhibition, Doha, Qatar, 17-20 November 2013.
6. K. Al-Kharusi, T. Al-Abri, H. Al-Harhi, **A. Al-Hinai**, and S. Al-Hinai “Distributed Generation: Modeling and Simulation,” *Industrial Application of Energy Systems Conference (IAES'2008)*, Sohar, Oman, April 1-2, 2008

Journal Paper:

1. M. H. Albadi, A. S. Al Hinai, A. H. Al-Badi, M. S. Al Riyami, **S. M. Al Hinai**, R. S Al Abri, Measurements and Evaluation of Flicker in High Voltage Networks, *Renewable Energies and Power Quality Journal (REPQJ)*, ISSN-2172-038X, No.12, pp. 1-4, April 2014.

Projects

- Energy Saving By Power Factor Correction with the Emphasis on the Distribution Power Network of Sultan Qaboos University
- Harmonics analysis in power system network ,Sultan Qaboos university , Oman
- An Investigation of Islanding in Power System , master project at Dalhousie University, Canada

Practical experience

- Summer training in Petroleum Development Oman (PDO) Company
- Demonstrator at Sultan Qaboos university for one year , 2001
- Lecturer at Sultan Qaboos University since 2005

Activities

- Participating in Engineering Society at Sultan Qaboos university
- And IEEE Chapter from 1998
- Participating in SQU activates especially in hostel activities From 1996-2001
- Participating in ICCP 05 at Sultan Qaboos university 2005
- Participating in ICCCP07 and ICCCP09 at Sultan Qaboos university 2007 and 2009

Teaching Activities

Semester	Course Code	Course Title	No. of Students
Fall 06	ECCE3006	Industrial Training I	120
	ECCE4356	Machine I(Lab Session)	33
	ECCE5080	Seminar and Field Work II	7
	ECCE5009	Final Year Project I	5
Spring 07	ECCE4080	Seminar and Field Work I	110
	ECCE5099	Final Year Project II	5
Summer 07	-----	-----	-----
Fall 07	ECCE5009	Final Year Project I	
	ECCE4080	Seminar and Field Work I	
Spring 08	ECCE5099	Final Year Project II	6
	ECCE4080	Seminar and Field Work I	110
Summer 08	ECCE3352	Electrical Technology	35
	ENGR4006	Industrial Training II	140
Fall 08	ECCE5009	Final Year Project I	12
	ENGR3006	Industrial Training I	125
	ECCE4080	Seminar and Field Work I	50
Spring 09	ECCE5099	Final Year Project II	12
	ECCE4080	Seminar and Field Work I	96
Summer 09	ECCE3352	Electrical Technology	33
	ENGR4006	Industrial Training II	140
Fall 09	ECCE5099	Final Year Project I	14
	ECCE4080	Seminar and Field Work I	94
	ENGR3006	Industrial Training I	125
Spring10	ECCE5099	Final Year Project II	12
	ECCE4080	Seminar and Field Work I	91
Summer10	ECCE3352	Electrical Technology	33
	ENGR4006	Industrial Training II	140
Fall10	ECCE5009	Final Year Project I	12
	ECCE4080	Seminar and Field Work I	40
	ENGR3006	Industrial Training I	125
Spring 11	ECCE5099	Final Year Project II	12
	ECCE4080	Seminar and Field Work I	88
Summer11	ECCE3352	Electrical Technology	33
	ENGR4006	Industrial Training II	140
Fall11	ECCE5009	Final Year Project I	8

	ECCE4080	Seminar and Field Work I	40
	ENGR3006	Industrial Training I	125
Spring 12	ECCE5099	Final Year Project II	8
	ECCE4080	Seminar and Field Work I	92
Summer 12	ECCE3352	Electrical Technology	35
	ENGR4006	Industrial Training II	140
Fall 12	ECCE5009	Final Year Project I	8
	ECCE4080	Seminar and Field Work I	40
	ENGR3006	Industrial Training I	125
Spring 13	ECCE5099	Final Year Project II	8
	ECCE4080	Seminar and Field Work I	92
Summer 13	ECCE3352	Electrical Technology	35
	ENGR4006	Industrial Training II	140
Fall 13	ECCE4080	Seminar and Field Work I	40
	ENGR3006	Industrial Training I	125
	ECCE5009	Final Year Project I	8
Spring 14	ECCE5099	Final Year Project II	8
	ECCE4080	Seminar and Field Work I	92
Summer 14	ECCE3352	Electrical Technology	35
	ENGR4006	Industrial Training II	140
Fall14	ECCE4080	Seminar and Field Work I	40
	ENGR3006	Industrial Training I	125
Spring 15	ECCE4080	Seminar and Field Work I	38
Summer 14	ECCE3352	Electrical Technology	37
	ENGR4006	Industrial Training II	140

Departmental Activities

Organizer, IEEE GCC08 Conferences,2015
 Organizer, ICCCP'05, ICCCP'07 and ICCCP'09 Conferences
 Member of Social Committee
 Member of Final Year Project Committee
 Coordinator of Mechatronics Student Society
 Sultan Qaboos University: Student Society and Social Activities Committee
 Sultan Qaboos University: HSE Activities Committee

Outside Funded Research (From 2005)

Project	Investigators	Agency	Duration
Electrical Energy Saving Study for Sultan Qaboos University Hospital	Dr. Amer Al-Hinai Dr. Khaled Ellithy	SQU Financial	Sep2006- Dec2007

	Rashid Al-Abri Salem Al-Hinai	Department	
Power System Study for Occidental of Oman Power Network	Dr. Amer Al-Hinai Dr. Arif Malik Rashid Al-Abri Salem Al-Hinai	Occidental of Oman	Apr2007- Dec2007
Stray Current Study: Reality Check & Implementation Stage	Dr. Adel Gastli Dr. Amer Al-Hinai Salem Al-Hinai	Petroleum Development of Oman	Feb2007- Feb2008

Research Publications

1. M. H. Albadi, N Al-Mashaikhi, **S. Al Hinai**, R. Al-Abri, A Al-Hinai, Q Al-Aamri, A. Al-Mazidi and M Al-Gafri, Loss Reduction in Isolated Rural Area Distribution Network Using Photovoltaic System, submitted to The Journal of Engineering Research (TJER), Accepted 30 June 2015.
2. M. H. Albadi, A. H. Al-Badi and **S. M. Al Hinai**, "Impact of Heavy Industrial Consumers on OETC Grid", for Oman Electricity Transmission Company (OETC), Jan 2013 .
3. A. Al-Hinai, K. Ellithy, R. Al-Abri, and **S. Al-Hinai**, "Energy Saving Study by Power Factor Correction for Sultan Qaboos University Hospital" submitted to the SQU Financial Affairs Department, January 2008
4. A. Al-Hinai, K. Ellithy, & **S. Al-Hinai**, "Kauther Phase II: Harmonic Study Field Measurements", Petroleum Development of Oman (PDO), December 2008
5. A. Al-Hinai, K. Ellithy, & **S. Al-Hinai**, "Saih Rawl Depletion Compression Project Harmonic Study", Petroleum Development of Oman (PDO), August 2008
6. A. Al-Hinai, H. Al-Nasseri, & **S. Al-Hinai**, "Power System Study for two Additional Solar Turbines in Safah Field", Occidental of Oman – Safah, July 2008
7. A. Gastli, A. Al-Hinai, & **S. Al-Hinai**, "Stray Current Study: Reality Check & Implementation Stage", Petroleum Development of Oman (PDO), April 2008
8. A. Al-Hinai, Arif Malik, R. Al-Abri, and **S. Al-Hinai**, "Power System Study for Occidental of Oman Power Network" submitted to the Occidental of Oman, December 2007
9. A. Al-Hinai, A. Malik, K. Ellithy, H. Al-Nasseri, R. Al-Abri & **Salem Al-Hinai**, "Power System Study for Occidental of Oman Power Network" , Occidental of Oman – Safah, December 2007
10. A. Al-Hinai, H. Al-Nasseri, & **S. Al-Hinai**, "Power System Study for Occidental of Oman Power Grid", Occidental of Oman – Safah, December 2007

11. A.S. Malik, A. Al-Hinai and **S. Al-Hinai**, “Transmission Expansion Study, Identification of Interconnection with Neighboring Power Systems, and Maximum Generation Possible with Gas Reserves”, Occidental of Oman – Safah, December 2007
12. A.S. Malik, A. Al-Hinai and **S. Al-Hinai**, “Load Forecast and Power Development Plan for Occidental of Oman”, Occidental of Oman – Safah, December 2007

Projects:

- “Impact of heavy industrial consumers on OETC Grid”
Code: CR/ENG/ECCD/11/06
Funded by: Oman Electricity Transmission Company (OETC)
Team: M. H. Albadi, A. H. Al-Badi and **S. Al-Hinai**
- E. Arsalan, I. Metwalley, A. Al-Hinai, and **S. Al-Hinai**, ” Blackout Investigation due to Transformer-Bushing Failures at JBB Ali Grid Station”, submitted to the Mazon Electrical Distribution Company, January 2012.

Final Year Project:

1. Voltage Flicker Measurements Evaluation and Mitigation in Rusail Industrial Area, 2015-2016
2. Measurement and Evaluation of Harmonics in MZEC network: Nizwa Industrial Area Case study, 2013-2014
3. Technical Losses in Selected Rural Area Electricity Company Network, 2012-2013
4. Design of a photovoltaic (PV) system for A Selected Rural Area Distribution Network, 2012-2013
5. Demand-Side Management Capacity and Energy Saving Potential in MZEC, 2011-2012.
6. Optimal Size & Location of Renewable-based Distributed Generation in Rural Area Electricity Company (RAECO) Network Using Genetic Algorithm (GA), 2010-2011
7. Analysis of Pole-mounted Capacitors Installed in the North Batina Region, 2010-2011
8. Analysis & Setting of Protective Devices at Selected Distribution Feeders in Muscat Electricity Distribution Company Network, 2008-2009
9. Distributed Generators: Modeling and Simulation, 2007-2008.

Awarded certificates:

- PDO summer training (summer 2000)
- Certificates of honours and Distinction from SQU (1997 and 2001)
- HSE-induction & Basic first aid (1997)
- Three certificates of activities from Squ
- Best final year project in academic year 2000-2001

Hobbies

- Reading: Magazines(Arabic) & News papers

- Traveling ; Have Traveled to Malaysia , Singapore, United Arab Emirates and Canada
- Swimming and walking
- Team works