


CURRICULUM VITAE

Full Name	Omar Noureldeen Soliman Hassan	
Major of interest	Electrical Engineering	
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Academic Background

- **Ph.D Degree in Electrical Power and Machines**
Scholarship between Hannover University (Germany) and Cairo University (EGYPT)
Faculty of Engineering, Cairo University, Giza - EGYPT
Thesis title “Diagnosis of Oil Impregnated Paper Insulation Conditions”, Juli-2004
- **M.Sc. In Electrical Power and Machines**
Aswan University, Faculty of Energy Engineering, Aswan - Egypt
Thesis title “Digital Protection for Overhead Transmission Lines”, April-1999
- **B Sc. Degree in Electrical Power and Machines**
Aswan University, Faculty of Energy Engineering, Aswan - Egypt, Mai-1997

Employment History

Name of Institution	Location	Position	From -To
Islamic University Faculty of Engineering	KSA	Assistant professor	October, 2011 – till now
South Valley University Faculty of Engineering	Egypt	Assistant professor	August, 2008 – September, 2011
Kumamoto University	Japan	Visitor researcher	November, 2007 – July, 2008
South Valley University	Egypt	Assistant professor	November, 2004 – October, 2007
Hannover University and Cairo University (scholarship for Ph.D)	Germany Egypt	Ph.D Researcher Ph.D Researcher	May, 2001 – December, 2003 January, 2004 – October, 2004
South Valley University	Egypt	Assistant Lecturer	May, 1999 – April, 2001
South Valley University	Egypt	Demonstrator	September, 1997 – April, 1999

List of Publications

1. **O. Hassan**, H. Borsi, E. Gockenbach, E. M. Aboelzahab, M.I. Gilany“ Diagnosis of insulation condition of oil impregnated paper insulation systems with return voltage measurements” Paper published in the IEEE, Conference on Electrical Insulation and Dielectric Phenomena, USA, October, 2003.
2. A.A Shayegani, **O. Hassan**, M. Farahani, H. Borsi, E. Gockenbach “PDC measurements and analysis on oil-pressboard samples” Paper published in the VDE, Conference, Köln, Germany, 9-10 March,2004.

3. A.A Shayegani, **O. Hassan**, H. Borsi, E. Gockenbach and H.Mohseni “PDC measurement evaluation on oil-pressboard samples” Paper published in the 8th IEEE international conference on solid insulation ICSD, Toulouse, France, 5-9 July, 2004.
4. **O. Hassan**, A. A. Shyegani, H. Borsi, E. Gockenbach, E. M. Aboelzahab, M. I. Gilany “Detection of oil-pressboard insulation aging with dielectric spectroscopy in time and frequency domain measurements” Paper published in the 8th IEEE international conference on solid insulation ICSD, Toulouse, France, 5-9 July, 2004.
5. A. Shayegani, H. Mohseni, H. Borsi, E. Gockenbach, **O. Hassan** “Application of Relaxation Distribution Function in Diagnostic of Power Transformer Insulation” 19th Intern. Power System Conference (PSC 2004) Teheran/Iran, Contr. 49-E-TRN-747, Oct. 2004.
6. **Omar Noureldeen** “Effect of Geometrical Arrangement of Power Transformer insulation and Its Temperature on Dielectric Response Measurements” Journal of Engineering Sciences, Assuit University, Vol. 35, No. 6, pp.1455-1465, November 2007.
7. **Omar Noureldeen**, Takashi Hiyama “Impact of Static Synchronous Compensator on Transmission Line Impedance Measured by Numerical Distance Relay” International Conference on Electrical Engineering, ICEE, OKINAWA, Japan, 6-10 July, 2008.
8. **Omar Noureldeen**, Takashi Hiyama “Impact of Wind Farms on the Power System Quality and Stability” The First Egypt-Japan International Symposium on Science and Technology, Tokyo, Japan, 8-10 June, 2008.
9. Yaser Soliman Qudaih, **Omar Noureldeen**, Hiyama Takashi “Applications of Energy Capacitor System on Power Distribution System” Al-Azhar University Engineering Journal, JAUES, Vol. 3, No. 12, pp. 430-436, Dec. 2008.
10. **Omar Noureldeen**, Ahmed Farouk “Behavior of Impedance Based Protection Relays in Case of Shunt Compensated Transmission Line” First International Conference of Energy Engineering. ICEE1, 28-31 December 2008.
11. **Omar Noureldeen** “Operation of Based impedance Protection Numerical relay with STATCOM FACTS Devices” Journal of Engineering Sciences, Assuit University, Vol. 37, No. 4, pp. 983-997, July 2009.
12. **Omar Noureldeen** “Characteristics of Fixed Speed Wind Turbines Interconnected Grid during Wind Speed Variations” 13th International Middle East Power Systems Conference, MEPCON 09, pp. 220-225, 20-23 December, 2009.
13. **Omar Noureldeen**, Ahmed Rashad “operation of hybrid wind farm based on SCIG and DFIG under gust wind speed” Second International Conference of Energy Engineering. ICEE2, 27-29 December 2010.
14. **Omar Noureldeen**, Mahmoud Rihan, Barakat Hasanin “Impact of fixed speed wind farm using SCIG on power system stability under normal and abnormal conditions” Second International Conference of Energy Engineering. ICEE2, 27-29 December 2010.
15. **Omar Noureldeen**, Mahmoud Rihan, Barakat Hasanin “Behaviour improvement of fixed speed induction generator wind turbines during faults” Second International Conference of Energy Engineering. ICEE2, 27-29 December 2010.
16. **Omar Noureldeen**, Mahmoud Rihan, Barakat Hasanin “Impact of fault location and duration on the stability of wind farm interconnected grid” Second International Conference of Energy Engineering. ICEE2, 27-29 December 2010.
17. **Omar Noureldeen**, Mahmoud Rihan, Barakat Hasanin “Support of FSIG wind farm connected to the grid during faults” Journal of Engineering Sciences, JES, Vol. 39, No. 1, pp.99-111, January, 2011.
18. **Omar Noureldeen**, Mahmoud Rihan, Barakat Hasanin “Impact of fault location and duration on the stability of wind farm interconnected grid” Journal of Engineering Sciences, JES, Vol. 39, No. 1, pp.145-160, January, 2011.
19. **Omar Noureldeen** “Low voltage ride through strategies for SCIG wind turbines Interconnected Grid” International Journal of Electrical and Computer Sciences IJECS, Vol. 11, No. 2, pp.59-64, April, 2011.

20. **Omar Noureldeen**, Mahmoud Rihan, Barakat Hasanin “Stability improvement of fixed speed induction generator wind farm using STATCOM during different fault locations and durations” Science Direct, Ain Shams Engineering Journal, ASEJ, DOI : 10.1016/j.asej.2011.04.002, 2011.
21. **Omar Noureldeen** “Behavior of DFIG wind turbines with crowbar protection under short circuit” International Journal of Electrical and Computer Sciences IJECS, Vol. 12, No. 3, pp.32-37, 2012.
22. **Omar Noureldeen** “A Novel Crowbar Protection Technique for DFIG wind farm during fault ride through” International Journal of Engineering & technology IJET, Vol. 12, No. 3, pp.85-95, 2012.