CURRICULUM VITAE

PERSONAL INFORMATION

Name: Alaa Farh Mahmoud Ali
Address: Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt.
Date of Birth: June, 06, 1986, Assiut, Egypt.
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EDUCATION

Sep 2009 _Sep 2014 Assiut University, Faculty of Engineering
Master of Science in Electrical Engineering
Master thesis entitled
"Impact of FACTS Controllers in Wind Driven Asynchronous Generator Performance"
Ref. Dr Gaber El-Saady Gaber1@yahoo.com , the research supervisor.

Sep 2004 – July 2008 Assiut University, Faculty of Engineering
Bachelor of Electrical Engineering "Power and Machine" section
Grade: Excellent with Honor 85.28%
Rank: 2nd
Project: "***Industrial application of PLC"***
Project Grade: Excellent

WORK EXPERIENCE

Sep. 2014 _ Now **Faculty of Engineering Assiut University**
Position: Assistant Lecturer

Jan. 2009 _ Sep2014 **Faculty of Engineering Assiut University**
Position: Teaching Assistant
Responsibilities:

- M.Sc. Researcher in the field of Power system (Renewable energy)
- Provides a demonstration for students in the following subjects.

Electric Circuit Theory (1)	Electric Circuit Theory (2)
Power Electronic Circuits	Electric Machines(1)
Electric Machines(2)	Electric Machines(3)
Power System Analysis	Variable Speed Drive
Power Systems Voltage Stability	Power System Control

- Participates in Final year graduations projects.
  Industrial Application Of PLC.
  Uninterruptible Power Supply.
  Speed control of Induction motor using PLC.
  Improvement of Egyptian Electric Network.
  Photovoltaic System Feeding an Irrigation Load.

RESEARCH INTERESTS

- Renewable Energy.
- Wind energy conversion systems.
- Anti-islanding algorithms for grid-connected solar photovoltaic systems.
- Utility interactive power conditioner for renewable energy sources.
- Application of FACTs Controllers in wind Energy System.
- Automatic Tuning of PID Controller using Particle Swarm Algorithm (PSO).
- Analysis of Stand-alone and grid connected PV systems using PSO, Simulated Annealing and Genetic Algorithm.
- Electrical Power Industrial Application.
- Industrial Application of PLC and SCADA System.
- Soft switching DC-DC power converter topologies.
- High frequency inverters and power factor correction.
- Protection and control of Microgrid and smart grid.

PUBLICATIONS

- G. El-Saady, El-Nobi A. Ibrahim, Alaa Farah, "Particle Swarm Optimization Based Minimum Excitation Capacitance of Standalone Self-Excited Induction Generator," 15th MEPCON International Middle East Power System Conference, Alexandria, Egypt, Dec. 23-25, 2012.
- G. El-Saady, El-Nobi A. Ibrahim, Alaa Farah, "Voltage control of Standalone Self-Excited Induction Generator using STATCOM" (under publication).
- G. El-Saady, El-Nobi A. Ibrahim, Alaa Farah, "Impact of STATCOM on Wind Driven Induction generator Performance" (under publication).

COMMUNICATION AND PRESENTATIONS SKILLS

International conferences speaking

I have presented my papers in the following international conferences

- IEEE Middle East Power System Conference (MEPCON'2012), Alexandria, Egypt. .

TECHNICAL SKILLS

- Matlab & Simulink.
- PSIM
- Microsoft Office
- FORTRAN 95
- C for Microcontroller programming
- PLC.
- SCADA.

SOFT SKILLS

Attended the following Workshops in Assiut University Faculty and Leadership Development Project (FLDP)

- Communication Skills
- Effective Thinking
- Effective Teaching
- Effective Presentation
- Credit Hours Program
- Organizing Scientific Conferences

References

- Prof. Dr. Gaber El-Saady, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt.
  E-mail: Gaber1@yahoo.com
  Tel: +201145816983
- Dr. El-Noby Ahmed, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. .
  E-mail: nouby60@yahoo.com
  Tel: +201223490981