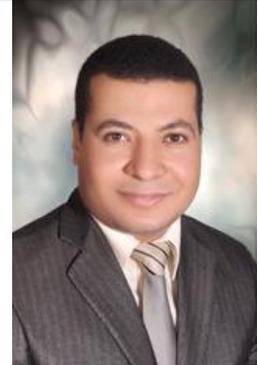# CURRICULUM VITAE

PERSONAL INFORMATION

Name: Mohamed Abdelmonim Hassan Darwish.
Address: Electrical Engineering Department, Faculty of Engineering,
                Assiut University, Assiut, Egypt.
Date of Birth: January, 12, 1984, Assiut, Egypt.
Martial status: Married
Mobile: +20 1144020208
Email: mohamed_darwish_84@yahoo.com
                mohamed.darwish@eng.au.edu.eg

EDUCATION

Sep 2005 _ July 2011   Assiut University, Faculty of Engineering
                             Master of Science in Electrical Engineering
                             Master thesis entitled
        "Microcontroller Implementation for DC motor Speed and Position Control."
- Ref. Dr Hossam Seddik Abbas h_abbas@au.edu.eg, the research supervisor.

Sep 2001 – July 2005   Assiut University, Faculty of Engineering
                             Bachelor of Electrical Engineering "Control and Computer" section
                             Grade: Excellent with Honor 86.39%
                             Rank: 1st
                             Project: "*Design and Implementation of an Autonomous Robot*"
                             Project Grade: Excellent

WORK EXPERIENCE

Sep. 2011 _ Now   **Faculty of Engineering Assiut University**
                             Position: Assistant Lecturer

Sep. 2005 _ 2011   **Faculty of Engineering Assiut University**
                             Position: Teaching Assistant
                             Responsibilities:
                                        • M.Sc. Researcher in the field of Automatic Control

                                        • Provides a demonstration for students in the following subjects.

Digital Design Lab.	Numerical Analysis.
Digital Design.	Computer Organization.
Control Systems.	Microprocessor.
Process Control Lab.	Digital Control Systems.

• Participates in Final year graduations projects.
  Ball and Beam System (2007)
  SCADA Systems (2009)
  Magnetic Levitation System (2010)
  Control of Three Axis Manipulator Using Microcontroller (2011)
  Mass-Spring –Damper System (2011).

RESEARCH INTERESTS

- Modern wind turbines control.
- Linear Parameter-Varying (LPV) systems.
- System identification.
- Intelligent control.
- Embedded systems.

PUBLICATIONS

- Mohamed A. Darwish, Hossam S. Abbas, Awad I. Saleh, and Mohamed M. M. Hassan, " FLC   Implementation on A 8-bit Microcontroller for DC Motor Speed and Position Control ", Journal of Engineering Sciences, Assiut University, Vol. 39 No 2 pp.405 - 423 March 2011.
- Mohamed A. Darwish, Hossam S. Abbas, " DC Motor Position Control Using Discrete-Time Fixed-Order H_∞ Controllers", in *Proc. 1st* International Conference on Innovative Engineering Systems (ICIES2012), Alexandria, Egypt, 2012.
- Mohamed A. Darwish, Hossam S. Abbas, "DC Motor Speed and Position Control Using Discrete-Time Fixed-Order H_∞ Controllers", IJIM: International Journal on Information Management, Vol. 1, No. 1, pp. 1 ~ 13, 2012

LANGUAGES

TOEFL IBT Score = 84,
Reading = 19, Listening = 23, Speaking = 20, Writing = 22.
Revised GRE CBT
Score Current Format: Quantitative = 157, Verbal = 144, Analytical writing = 3.0.
Score Prior Format: Quantitative = 730, Verbal = 370, Analytical writing = 3.0.

TECHNICAL SKILLS

- Matlab & Simulink
- Microsoft Office
- QBasic
- FORTRAN 95
- Assembly language for Microprocessor
- C for Microcontroller programming (PIC and Atmel)
- C++
- C#
- GUI (Graphical User Interface)
- Proteus PCB Design and simulation.

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. Abdelfattah Mohamed, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. (afm@aun.edu.eg, afmm52@yahoo.com)
- Prof. Dr. Osama Sayed, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. (Usama@aun.edu.eg)
- Prof. Dr. Mohamed Hussein Amin, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. (dr_mhamin@yahoo.com)