

Dr. Noha Medhat Mohamed

CONTACT INFORMATION

Noha Medhat Mohamed Darwish

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Department of Electrical Engineering
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RESEARCH INTERESTS

- PID controllers for time delay systems
- Robust Control
- Optimal Control
- Discretization of continuous time control systems

EDUCATION

Assiut University, Assiut, Egypt

Ph.D., Electrical Engineering, January 2011

- Dissertation Topic: "PID Controllers for Delay-Free and Time-Delay Systems"

Assiut University, Assiut, Egypt

M.Sc., Electrical Engineering, February 2005

- Dissertation Topic: "Discretization of Continuous Time Controllers"

Assiut University, Assiut, Egypt

B.Sc., Electrical Engineering, June 2000

- Very Good With Honor, Third on class

ACADEMIC EXPERIENCE

Assiut University, Assiut, Egypt

- **Assistant Professor** January 2011 – Present
I have the responsibility for lectures, exams, homework assignments, and grades of the following courses:
 - Numerical Analysis 2011-2014.
 - Automatic Control (I) 2012-2014.
 - Digital Circuits 2011-2014.
 - Electrical Testing 2011.
- **Assistant Lecturer** April 2005 – January 2011
- **Teaching Assistant** October 2000 – February 2005

I helped in teaching many B.Sc. courses:

- Electrical Circuits
- Signals and Systems Analysis
- Automatic Control
- Digital Control
- Microprocessor
- Programmable Logic Controller (PLC)
- Fundamentals of Computer Engineering
- Electrical Testing

**SOFTWARE
PROGRAMMING**

- MATLAB
- C
- Fortran

**COMPUTER
SKILLS**

- Programmable Logic Controllers (PLC)

LANGUAGES

- Arabic (Mother Language)
- English

PUBLICATIONS

1. **Noha M. M. Darwish**, "Determination of all Stabilizing PI Controllers for Linear Time Invariant Systems," *Journal of Engineering Sciences*, Assiut University, Assiut, Egypt, Vol. 41, No. 5, pp. 1877 - 1889, September, 2013.
2. Awad I. Saleh, Mohamed M. Hasan, and **Noha M. M. Darwish**, "Determination of Controllers Gains Limit Using The Mikhailov Stability Criterion," *Journal of Engineering Sciences*, Assiut University, Assiut, Egypt, Vol. 38, No. 1, pp. 209-219, January 2010.
3. Awad I. Saleh, Mohamed M. Hasan, and **Noha M. M. Darwish**, "The Mikhailov Stability Criterion Revisited," *Journal of Engineering Sciences*, Assiut University, Egypt, Vol. 38, No. 1, pp. 195-207, January 2010.
4. Awad I. Saleh, Mohamed M. Hasan, and **Noha M. M. Darwish**, "Discretization of Closed-loop Systems," *Journal of Engineering Sciences*, Assiut University, Egypt, Vol. 34, No. 1, pp. 195-207, January 2005.