

CURRICULUM VITAE

Dr. Aly Sabry Ahmed Refaat Abo El-Lail

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PERSONAL DATA:

Nationality : Egyptian
Date of Birth : Oct. 8, 1957, Maghagha, El-Minia, Egypt
Marital status : Married
Languages : Arabic, English, and Germany

RESEARCH INTERESTS:

Research interests are Experimental and theoretical investigations in automatic control Engineering.

EDUCATION:

Ph.D, Mechanical Engineering, May, 1995.

Department of power Engineering, Linz University, Austria.
Research Advisor: Professor Scheidl, R.

Thesis: Investigation of a Switching Method for the Energy-Efficient Control of Hydraulic Drive System.

M.Sc., Mechanical Engineering, May. 1988.

University of Assiut, Assiut, Egypt.

Thesis: Performance of an Unconventional Size Reducer for Agricultural Wastes.

B.Sc., Mechanical Engineering, June 1980

University of Assiut, Assiut, Egypt.

General grade: Very Good (Based on the last academic year)

INDUSTRIAL EXPERIENCE:

Performing military service (1981-1982).

Design Engineer in industry (1982-1983).

EXPERIENCE:

Joined Islamic University of Technology (IUT), Mechanical and Chemical Engineering (MCE) Dept. Islamic University of Technology (IUT), a Subsidiary Organ of Organization of Islamic Cooperation (OIC), as Assistant Professor on January 2002, on being appointed by H.E. the Secretary General of the OIC.

I was appointed as Associate Professor in the Department on 29 November 2008 and served in the same capacity till release from the University with effect from January 2014 following mine voluntary resignation.

Professor, Head of Mechanical Engineering Department, Faculty of Engineering, Assiut University, Egypt from October 2014 until now.

Associate Professor: March 2002, Mechanical Engineering Department, Faculty of Engineering, Assiut University, Egypt until October 2014.

Mechanical Engineering Department, Faculty of Engineering, Assiut University, Egypt.

Assistance Professor: May 1995 to March 2002,

Mechanical Engineering Department, Faculty of Engineering, Assiut University, Egypt.

Lecturer: June 1988 to May 1995,

Mechanical Engineering Department, Faculty of Engineering, Assiut University, Egypt.

Assistance Lecturer: May 1983 to June 1988,

Mechanical Engineering Department, Faculty of Engineering, Assiut University, Egypt.

Teaching: Teaching several undergraduate and graduate courses such as; Automatic control, Pneumatic control systems, Measurements, Engineering drawing, Engineering mechanics (statics and dynamics) and, supervising B.Sc. graduation projects, and Master thesis.

PUBLICATION:

1. Ayman A. Aly, Aly S. Abo El-Lail, Kamel A. Shaush and Farhan A. Salem, "Intelligent PI Fuzzy Position Control of an Electro-Hydraulic Manipulator", *I.J Intelligent Systems and Application*, 2012, 7, 43-49 Published Online June 2012 in MECS (<http://www.mecspress.org/>)DOI: 10.5815/ijisa.2012.07.06
2. Ayman A. Aly and Aly. S. Abo El-Lail, "A Novel Circuit for Thermocouple Signals Linearization Using AD Converter", *I.J. Information Technology and Computer Science*, 2013, 03, 56-60 Published Online February 2013 in MECS (<http://www.mecspress.org/>)DOI: 10.5815/ijisa.2013.03.07
3. A. S. Abo El-Lail, Ayman A. Aly, "Fuzzy Temperature Control of a Thermoelectric Cooler", *IEEE Conference (ICIT06), India*, 15-17 Dec, 2006, pp. 1580-1585.

4. T. Mansour, A. S. Abo El-Lail, A. Nassr, and A. Abo Ismail, "Tip Position Control of Single Flexible Robot Arm", IEEE 7th International Conference On Intelligent Engineering Systems, March 4-6, 2003, pp.494-498.
5. A. S. Abo El-Lail, "Thermal process control Systems", Proceeding of the 4th International Conference of Mechanical Engineers And 11th Annual Paper Meet on E-Manufactory, The Institution of Engineers, Bangladesh, Mechanical Engineering Division, 25-26 December, 2006, pp. 505-517.
6. A. S. Abo El-Lail, Md. ShamsurRahmanChowdhury, Zheng-zhan Jiang, "Microprocessor Based Process Control", Fourth Assiut University International Conference on Mechanical Engineering Advanced Technology for Industrial Production(MEATIP4), December 12-14, 2006, pp.520-528.
7. A. S. Abo El-Lail, Ayman A. Aly, "Temperature Control of a Thermoelectric Cooler", the Eleventh Asian Congress of Fluid Mechanics (ACFM) May 22-25, 2006, pp 794-800.
8. A. S. Abo El-Lail, "Robust Sliding-Fuzzy Control Technique of An Electro-Hydraulic Servo Systems", Proceeding of the 3rd International Conference of Mechanical Engineers And 8th Annual Paper Meet on E-Manufactory, The Institution of Engineers, Bangladesh, Mechanical Engineering Division, 20-22March, 2003, pp. 602-615.
9. A. S. Abo El-Lail, "Nonlinear control of hydraulic servo-systems", 7th Annual paper meet, the Institution of Engineers, Bangladesh (IEB), Mechanical Engineering Division, 8-9 April 2002, pp.392-403.
10. Aly S. Abo El-Lail, "Optimal Control of an Electrohydraulic Position Servo," Bulletin of the Faculty of Engineering, Assiut University, Vol.29, No.3 (1/2), pp.79-88, September 2001
11. A. S. Abo El-Lail, H. A. Mohamed, N. Y. Abdel-Shafi, "Mechanical Compensated System for Low Speed Centrifugal Blower," Bulletin of the Faculty of Engineering, Assiut University, Vol.29, No.2, pp.91-101, May 2001.
12. H. A. Mohamed, A. S. Abo El-Lail, N. Y. Abdel-Shafi, and A. Ayyad, , "Surge Control for Low Speed Centrifugal Blower," 14th International Congress of Chemical and Process Engineering Chisa2000, Praha, Czech Republic, 27-31 August 2000.

13. N. Y. Abdel-Shafi, H. A. Mohamed, A. S. Abo El-Lail, "Numerical Study of Natural Convection in an Enclosure With Partitions," 14th International Congress of Chemical and Process Engineering Chisa2000, Praha, Czech Republic, 27-31 August 2000.
14. K. Emara, A. Abo-Ismael, A. Ayyad, and A. Sabry, "Design and Manufacturing of Butterfly Valves for Process Control," First International Conference on Sugar and Integrated Industries " Present and Future", Luxor, Egypt, pp. 313-325, February 1999.
15. A. S. Abo El-Lail, and A. S. Hassan, "Active suppression of compressor flow instability," Proceeding of the 8th International Symposium on (Unsteady Aerodynamics and Aeroelasticity of Turbomachines", Stockholm, Sweden, pp. 495-509, September (1997).
16. A. S. Hassan and A. S. Abo El-Lail, "Methods for increasing limits of stability in centrifugal compressor," 10th International Conference on Mechanical Power Eng., Assiut, Egypt, pp. 383-395, December 1997.
17. A.S. Abo El-Lail, A.S. Huzayyin, I.S. Taha and Y. El-Heeny, "Unconventional size reducer parameters for brittle agricultural wastes part I (Design)," 10th International Conference on Mechanical Power Eng., Assiut, Egypt, pp. 593-607, December 1997.
18. A. S. Abo El-Lail, I.S. Taha, A.S. Huzayyin, and Y. El-Heeny, "Unconventional size reducer parameters for brittle agricultural wastes part II (Optimization)," 10th International Conference on Mechanical Power Eng., Assiut, Egypt, pp. 609-615, December 1997.
19. A.S. Abo El-Lail, R. Scheidl, "On switching techniques for hydraulic drive systems" GAMM Conf., Braunschweig (1994).
20. R. Scheidl, A.S. Abo El-Lail, A.S. Schindler "On fluid power control by switching techniques", Hungarian-British Mechatronics Conf., Budapest (1994).
21. A.S. Abo El-Lail, R. Scheidl, "On switching techniques for hydraulic drive systems" ZAMM 74 (1994).
22. Reports I and II of a scientific project titled, "Wasted energy in portable irrigation pumps sponsored by the council of Egyptian Universities (October-December, 1984), (April-June, 1985).

REFERENCES:

1. Prof. Dr. Md. ImtiazHossain, Vice-Chancellor of Islamic University of Technology (IUT), the Organization of the Islamic Conference (OIC), Dhaka, Bangladesh.
2. Prof. Dr. R. Scheidl, Institute of Technical Mechanics and Power Engg., Linz University, Austria.
3. Prof. Dr. Hans Irschik, Institute of Technical Mechanics and Power Engg., Linz University, Austria.
4. Prof. Dr. A.S. Huzayyin, Mechanical Engineering Department faculty of Engineering, Assiutuniversity, Assiut 71516, Egypt,
5. Prof. Dr. I. S. Taha., Mechanical Engineering Department faculty of Engineering, Assiutuniversity, Assiut 71516, Egypt,
6. Prof. Dr. M.G. Morsy, Mechanical Engineering Department faculty of Engineering, Assiutuniversity, Assiut 71516, Egypt,
7. Prof. Dr. A. Abo Ismail, Mechanical Engineering Department faculty of Engineering, Assiutuniversity, Assiut 71516, Egypt,

