CURRICULUM   VITA

Personal   Information

Name   : Omar Mohammad El-Ghezawi
Academic Position : Associate Prof.
Nationality   : Jordanian
Date of Birth   : 30th of July 1954
Marital Status   : Married

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Education

Ph.D   in Adaptive Control, 1982, Sheffield University, England.
M.Sc in Control Engineering, 1979, Sheffield University, England.
B.Sc. in Electronic Engineering, 1978, Southampton University, England.

Ph. D. THESIS

- "Adaptive Model Reference Variable Structure Systems" , Control Eng. Dept., Sheffield University, UK, Sep. 1982.

MSc. THESIS

"Review of Heart's Models and the Treatment of the Heart as Coupled Oscillators". Control Eng. Dept., Sheffield University, UK, Sep. 1979.

Research Interests

Adaptive Control Systems, Variable Structure Systems, Eigenvalue-Eigenvector Assignments, and Linear Multivariable Systems.

Career Timeline

- The electrical engineering department, University of Jordan , Amman, Jordan, from 1983-till now.
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 - Visiting professor in the electronic and communication engineering department , Al-Hashimia University, Zarqa, Jordan , from 2005-2006.
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 - Visiting professor in the electronic and communication engineering department , Amman National University, Amman, Jordan , from 2001-2002.
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- Visiting professor in the electrical engineering department, Jordan University for Science and Technology, Irbid, Jordan , from 1998-1999

Academic Experience.

This involves

- **Teaching Graduate and Undergraduate courses in** :
- Linear Algebra.
- Engineering Mathematics I& II &III.
- Signal Analysis.
- Electrical Circuits.
- Electromagnetics.
- Electronic Devices and Circuits.
- Electronic Amplifiers.
- Medical Electronics.

- Measurements and Instrumentation .
- Logic Circuits.
- Classical Control.
- Nonlinear Control .
- Modern Control Theory.
- Digital Control Systems.
- Nonlinear Controllers.
- Advanced Control Systems.
- Linear Systems.
- Numerical Methods.
- Optimization Techniques.
- Random Theory.
- Matlab.

- Establishing labs and experiments in control systems and in electronic circuits.

- Supervising laboratory experiments in Electrical Circuits, Electronic Circuits, Logic Circuits, Communication Systems , Control Systems and Transducers.
- Supervising many graduation projects.

- Participating in many inter-university commities including organisation of the second Jordan International Electrical and Electronic Engineering Conferences in 1983 and 1985.

- Refereeing research papers for conferences and journals.

- Reviewing technical curricula for high schools .

ORGANIZATION AFFILIATIONS

- Member, IEEE, New York, USA (1989 -2005).
- Ex Member, and CEng in The Institution of Electrical Engineers (IEE), United Kingdom.
- Member, Jordan Engineers Associations, Amman, Jordan (1978 -).

MANAGEMENT and COUNCIL MEMBERSHIPS

Head of the EE department , Faculty of eng., Jordan University, Amman, Jordan 21/11/2008-9/12/2008.

Member of Faculty of Engineering & Technology Council, University of Jordan (9/86 - 9/87).

Member of the Scientific comity in the EE department.

TECHNICAL ACTIVITIES:

- Publicity Committee, and Member of the Technical Committee, JIEEEC'83 and JIEEEC'85.
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- Technical Reviewer for , JIEEEC'85 & '83, DIRASAT, MUTA'H, Jordan Fifth International Conference on Electrical and Electronic Engineering, Amman, October 2003.

List of Publications.

Zinober, A.S.I, El-Ghezawi, O.M.E, and Billings, S.A, 1981, "Variable Structure Control of Adaptive Model following Systems", IEE Conference on Control and its Applications, Warwick, England.

Zinober, A.S.I, El-Ghezawi, O.M.E, and Billings, S.A, 1982, "Multivariable Variable-Structure Adaptive Model following Control Systems", IEE Proc. , vol 129, pp6-12

El-Ghezawi, O.M.E, Zinober, A.S.I, Owens, D.H, and Billings, S.A, ,1982, "Computation of the Zeros and Zero-directions of linear Multivariable Systems, Int. J. Control, vol 36, No. 5, pp 833-843.

El-Ghezawi, O.M.E, and Billings, S.A, Zinober, A.S.I,1983, "Variable Structure Systems and System Zeros", IEE Proc. , vol 130, part D, No. 1, pp 1-5.

El-Ghezawi, O.M.E, Zinober, A.S.I, and Billings, S.A, 1983, "Analysis and Design of Variable Structure Systems Using a Geometric Approach", Int. J. Control, vol 38, NO. 3, pp 657-671.

El-Ghezawi, O.M.E, 1985, "Output Model Following Control Systems", Proceedings of the Jordan International Electrical and electronic Engineering Conference, April, pp 475-483.

El-Ghezawi, O.M.E., 1990 , " A Two-Stage Method for Eigenvalue Eigenvector Assignment ", Dirasat, Series B(Pure and Applied Sciences), vol 17, No. 1, pp 65-77.

El-Ghezawi, O.M.E., 1994 , " Eigenvalue-Eigenvector Assignment of Uncontrollable Systems using the Two-Stage Method ", Mu'tah Journal For Research and Studies, vol 9, No. 3, pp 193-209.

El-Ghezawi, O.M.E., 1997 , " Insight into the Recursive Eigenstructure Method with Modifications ", Dirasat, vol 24, No. 3.

El-Ghezawi, O.M.E., 1997, " Recursive and Modified Recursive Eigenstructure Assignment of Uncontrollable Systems ",. Dirasat, vol 24, No. 3.

El-Ghezawi, O.M.E., 2003, " Explicit Formulae for Eigenstructure Assignment ", Jordan Fifth International Conference on Electrical and Electronic Engineering, Amman, October 2003, pp

El-Ghezawi, O.M.E., 2010, " Unification of Three Methods for Eigenvalue-Eigenvector Assignment ".DIRASAT, vol 37, No. 2

El-Ghezawi, O.M.E., 2009, " Reduced Order Methods for Designing Sliding Modes Hyperplanes " Sent for publication in DIRASAT.