

Curriculum Vitae

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Education:

- 1966-1969 Iowa State University, Ames Iowa, U.S.A. Ph.D. in Electrical Engineering (Power and Control). Thesis Title: "Digital study of excitation control for interconnected power system".
- 1962-1965 University of Assiut, Assiut, Egypt. Master Degree in Electrical Engineering. Thesis Title: "Effect of soil moisture contents on maximum current carrying capacity of under-ground cables".
- 1956-1962 University of Assiut, Assiut, Egypt. B. Sc. in Electrical Engineering.

Experience:

- Feb.2005-Nov.2006 Manager of Enhancement of Assiut University Information Network Infrastructure Project with total budget L.E. 1,301,485
- 1996-now Director of Assiut university internet center Assiut , Egypt
- 1986-1996 Chairman of Elect. Eng. Dept., Assiut University. Assiut, Egypt.
- 1981-Present Professor of Electrical Engineering Assiut University, Assiut, Egypt.
- Summer-1981 Consultant Engineer, Harris Corp. (training program to Saudi-Arabians) 1980 Univ. Avenue, Roch., N.Y., U.S.A.
- 1979-1981 Visiting Professor of Electrical Engineering Rochester Institute of Technology, Rochester, New York 14623, U.S.A.
- Summer 1977 Visiting Associate Professor of Electrical Engineering and 1978 Rochester Institute Technology, Rochester, New York ,14623 ,USA
- 1975-1978 Associate Professor of Electrical Engineering Assiut University, Assiut, Egypt.

1973-1975 Associate Professor of Electrical Engineering Gannon Univ., Erie Pennsylvania. (Director of E.E. 1975) U.S.A.

1970-1973 Assistant Professor of Electrical Engineering Gannon Univ., Erie, Pennsylvania, U.S.A.

Summer 1971 Consultant Engineer, Locomotive Department General Electrical Company, Erie, Pennsylvania, U.S.A.

1969-1970 Project Engineer, Department of Electrical Engineering Ames Power Company, Ames, Iowa, U.S.A.

1967-1969 Research Associate, Electrical Engineering Department Iowa State University, Ames, Iowa, U.S.A.

1962-1966 Instructor of Electrical Engineering, Assiut Univ., Assiut, Egypt.

Courses Taught:

Under graduate: circuit - power system analysis- control-field- electric machines computer.

Graduate: Non-linear systems, Electrical Machines- Advanced Control, advanced power systems.

Fellowships and Scholarships:

1966-1967 AID International development at Iowa State University for practical training.

1970-1971, Gannon Univ., Research Grants in the area of dynamic 1972-1973 System Stability.

2000-2001 Assiut University Awards for Scientific Excellence.

Professional Affiliation:

- Senior Member of the IEEE
- Member of Pi-Sigma-Pi
- ΤΒπ (Engineering honor society)
- Professional Engineer (P.E.)-AP., U.S.A.(2305-e)
- Awarded National Science Foundation Grant INT 76-54672, U.S.A. India Exchange of scientists program, to visit IIT, Mirdas, India.
- Listed "who in International Education of 1980 Year Book, London, England.
- Chairman of International Committee for "Second Middle East Power System Conference - MEPCON 92", MEPCON 96, and MEPCON 2004.

List of Publications:

1. Ali M. Yousef and M. K. El-Sherbiny "Analysis of damping torque contributed by the amortisseur winding effect", CATAEE'2004 Conference, Philadelphia University, 16-18 March 2004.
2. Ali M. Yousef and M. K. El-Sherbiny " Experimental verification of the PSS based on LQR Control" accepted in AEIC' 2004 Al-Azhar 10th international conference, Dec. 24-27, 2004.to IEEE ICEEC'04 conference, Faculty of Engineering, Ain Shams University, Sep. 5-7 2004
3. Ali M. Yousef and M. K. El-Sherbiny "Improvement Of Synchronizing And Damping Torque Coefficients based LQR Power System Stabilizer" Submitted to IEEE ICEEC'04 conference, Faculty of Engineering, Ain Shams University, Sep. 5-7 2004
4. Ali M. Yousef and M.K. El-Sherbiny" A Novel Artificial neural network based power system stabilizer for Enhancement of multi-machine transient stability" Journal of Engineering sciences, Faculty of Engineering (JES), Assiut University, Vol. 32-No.3 July 2004 .
5. M. K. El-Sherbiny and Ali M. Yousef "Analysis of damping torque contributed by the amortisseur winding effect", CATAEE'2004 Conference, Philadelphia University, 16-18 March 2004.
6. M.K. El-Sherbiny , M.M.Hassan, G.El-Saady and Ali M.Yousef" Observer based optimal power system controller", accepted for Al-Azhar Engineering 6th International Conference (AEIC2003),7-10 April 2003.
7. M.K. El-Sherdiny , G.El-Saady and Ali M.Yousef" Robust power system stabilization for low frequency oscillation " accepted for IASTED International conference on Applied Simulation and Modelling ASM2002, June, 25-28,2002, Crete, Creece.
8. M.K. El-Sherbiny ,M.M.Hassan, G.El-Saady and Ali M.Y OUSEF" Optimal pole shifting controller with prescribed dominant eigenvalues for power system stabilization". Accepted for IEEE-OES/CSEE International Conference on power system Power Con2002, October 13-16,2002
9. M.K. El-Sherbiny, G.El-Saady and Ali M. Yousef "Efficient fuzzy logic load-frequency control" Energy Conversion and Management Journal, Vol.43, Issue No.14,September 2002,PP.1853-1863
10. M.K. El-Sherbiny G.El-Saady and Ali M.Yousef" Robust power system stabilization for increasing the power system operating range" accepted for 17 th IEEE Region 10 International Conference on computer, Communications, Oct. 28-31,2002, Beijing, China
11. M.K. El-Sherbiny , G.El-Saady and Ali M. Yousef" Robust controller for power system stabilization" IEEE MEPCON'2001, Helwan University, Cairo, Egypt, Decemder 29-31,2001,pp.287-291
12. M.K. El- Sherbiny , G.EI- Saady and Ali M. Yousef" A-two- layered fuzzy logic controller for power system automatic generation control" proceeding of 4th jordanian international electrical conference (4th JIEEEEC-2001), 16-18 April 2001, pp. 197-202

13. M.K.El-Sherbiny, G.EL-saady, E.A. Ibrahim, and A.M.Sharaf" Efficient Incremental Fuzzy Logic Controller For Power System Stabilization", Electric Machines and Power systems, Vol 25, number 4, May 1997
14. . M.K.El-Sherbiny, A.M. Sharaf, G.EL-saady, and E.A. Ibrahim," Anovel Fuzzy state Feedback controller for power system Stabilization", Electric Power System Research, 39 (1996) 61-65,Uk.
15. M.K.El-Sherbiny, G.EL-saady, E.A. Ibrahim, "Speed deviation driven adaptive neurol network based power System Stabilize " Electric Power system Research, 38 (1996), 169-175,UK. El-Sherbiny, M.K. and Fouad, A. "Digital Study of Dynamic Instability for Inter-Connected Power System"-IEEE, Summer Conference at Los Angles , California , (Paper 70.CP 670), 1996.
16. Mohammad K. El-sherbiny, Esmat H. Badawy, Abdalla A. Ibrahim, Mohammad S. Farghaly,"Analysis of Through Impedance Shunt Faults and Series Faults Due to Open Conductors on Six-Phase Power Systems", Accepted For Presentation in IEEE PES Winter Meeting, Paltimore, USA, Jan. 21-25, 1996.
17. Mohammad K. El-sherbiny, Esmat H. Badawy, Abdalla A. Ibrahim, Mohammad S. Farghaly,"Analysis of Through Impedance Shunt Faults on Six-Phase Power Systems-Part II", Proceeding of the Fourth Middle East Power System Conference MEPECON'96, pp.465-470, Luxor, Egypt, Jan. 3-5, 1996. (Proceeding Enclosed).
18. M.K.El-Sherbiny, E.A.Ibrahim," Design of Wide Range Power System Pole Placer Taking Into Account the Effect of Local Load Characteristics", Proceeding of the Fourth Middle East Power System Conference, pp.61-69, Jan.3-5, 1996. (proceeding enclosed).
19. G.El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny,and, G.Mohamed,"A Noval Technique For AC Supply Voltages and Frequency Modulation of Induction Motor Drives" IEEE, Industry Application Conference Proceeding IAS'95, pp 530-537, Oct.8-12, 1995 (Proceeding Enclosed).
20. 6-M.K. El-Sherbiny, E.A.Ibrahim, "Design of Minimum Sensitivity Controller For Power System Under Different Operating Conditions Taking Into Account the Effect of Local Load Characteristics", Electric Power System Research, EPSR J ournal, Vol.37,Issue 2,Oct.25,1995. Texas A&M University, USA
21. 5-G.El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny and G.Mohmed, "A Noval Technique For AC Supply Voltages and Frequency Modulation of Induction Motor Drives", IEEE, Industry Application Conference Proceeding, IAS'95, PP.530-537, Oct.8-12,1995.
22. G.El-Saady, A.M.Sharaf, Amakky, M.K.El-Sherbiny and G.Mohmed, "An Error Driven Hybrid Neuro-Fuzzy Torque/Speed Controller For Electrical Vehicle Induction Motor Drive", Presented at IntelligentVehicle' 94,Oct.24-26,1994.
23. 8-G.El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny and G .Mohmed,"A Fuzzy Logic Controller For Stator Neural Point Switching of Induction Motor Drives", Presented at IEEE CCECE, Halifax, Canada,, Sept. 25-28,1994.
24. 9-A. M. Sharaf, G.El-Saady, A.Makky,M.K.El-Sherbiny and G. Mohmed, "Neural point stator Switching Scheme For Integral -Cycle Control of Asynchronous Motors",Presented at UPEC'Galway, England, Sept.14-16, 1994

25. 7-G.El-Saady, A.M.Sharaf,A.Makky,M.K.El-Sherbiny and G.Mohmed, "Torque-Speed Regulation of Induction Motor Drive Using Neural Network Based Controller" Presented at, IEEE MSNDCA, Chania, Creece, June 19-22,1994.
26. G.El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny,and, G.Mohamed,"A Fuzzy Logic Controller For Stator Neutral Point Switching of Induction Motor Drives," Presented at IEEE CCECE, Halifax, Canada, Sept.25-28, 1994.
27. G.El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny,and, G.Mohamed,"Fuzzy Logic Controller For Speed Control of Integral-Cycle Controlled Asynchronous Motors," Presented at ICARCV'94, Singapore, Nov.8-11, 1994
28. G.El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny,and, G.Mohamed,"A Fuzzy Logic Self Tunable For Speed Control of Integral-Cycle Asynchronous Motor Drives,"Presented at PSE'94, Wakayama, Japan, Sept.12-16,1994.
29. G.El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny,and, G.Mohamed,"An Error Driven Hybrid Neuro-Fuzzy Torque/Speed Controller for Electrical Vehicle Induction Motor Drive," Presented at Intelligent Vehicle'94 Oct.24-26,1994.
30. A.M.Sharaf, G.El-Saady, A.Makky, M.K.El-sherbiny,and, G.Mohamed,"Speed Regulation of Asynchronous Motor Drive Using an ON-Line Adaptive Artificial Neural Network," Presented at PEMC'94, Warszawa, Poland, Sept.20-22, 1994.
31. A.M.Sharaf, G.El-Saady, A.Makky, M.K.El-Sherbiny, and, G.Mohamed,"Neural Point Stator Switching Scheme for Integral-Cycle Control of Asynchronous Motors,"Presented at UPEC'94 Conference, Galway, England, Sept.14-16, 1994.
32. G.ElSaady,A.M.Sharaf,A.Makky,M.K.El-Sherbiny and,G.Mohamed, "Torque-Speed Regulationof Induction Motor Drive Using Neural Network Based Controller" Presented at IEEE MSNDCA, Chania, Crete, Greece, 19-22 June 1994.
33. . G. El-Saady, A. M. Sharaf, A. Makky, M. K. El-sherbiny, and G.Mohamed "A High Performance Induction Drive System Using Fuzzy Logic Controller" Presented at MELECON'94 Ankara, June 12-16, 1994
34. G. El-Saady, A.M.Sharaf, A.Makky, M.K.El-Sherbiny, and G.Mohamed, "A Neual Network ANN Based Controller for Speed Regulation of Induction Motor Drive" Presented at AMSE Conference Malta Island, Dec.28-30 1993.
35. A-R A.M.Makky,G.Mohamed,M.K.El-Sherbiny,and,G.El-Saady,"A Chopper-Fed Squirrel-Cage Induction Motor"Proceeding of UPEC Conference 1991 pp.658-660.
36. . Esmat H. Badawy, Mohammad K. El-Sherbiny, Abdalla A. Ibrahim, Mohammad S. Farghaly,"A Method of Analyzing Unsymmetrical on Six-Phase Power Systems ", IEEE Transactions on Power Delivery, Vol.6, No.3, pp.1139-1145, July 1991.
37. El-Sherbiny, M.K., and Others, "Additional Power System Controllers Using Optimal Pole Placers With Minimum Sensitivity To Loading". International Conference on the Evolution and Modern Aspects of Synchronous Machines, Proceeding Part 3, pp. 968-973, Zurich, Switzerland, 27-29 August, 1991.
38. El-Sherbiny, M.K., and Others, "A method of Analyzing Unsymmetrical Faults On Six-Phase Power Systems". IEEE PAS, 1990, Winter Meeting, A, U.S.A., Feb. 4-6, 1990 (Paper No. WM O81-O PWRD).

39. Esmat H. Badawy, Mohammad K. El-Sherbiny, Abdalla A. Ibrahim, Mohammad S. Farghaly," Analysis of Unsymmetrical Faults on Six-Phase Power Systems. Part I", Modelling, Simulation & Control, A, AMSE Press, Vol.28, No.4, pp.29-40, 1990.
40. Esmat H. Badawy, Mohammad K. El-Sherbiny, Abdalla A. Ibrahim, Mohammad S. Farghaly,"Transposition Inductance and Capacitance of Six-Phase Transmission Lines", Modelling, Simulation & Control, A, AMSE Press, Vol.24, No.4, pp.19-30, 1989.
41. El-Sherbiny, M.K., and Others, "Measurements of Transformere. No-Load Current, Core Losses, And Stray Load Under Different Loading Conditions". Bulletin of the Faculty of Engineering, Assiut University, Vol. 17, Part 2, July, 1989.
42. El-Sherbiny, M.K., and Others, "Effect of Variation of Winding Temperature in Yearly Energy Losses of Distribution Transformer". Bulletin of the Faculty of Engineering, Assiut University, Vol. 17, Part 2, July, 1989, pp.75-80.
43. El-Serafi, A.,El-Sherbiny, M.K., and Others, "Saturation Representati Including the Cross-Magnetizing Phenomenon in Saturated Synchronous Machines". Electric Machines and Power systems, Magazine, 1987.
44. El-Serafi,A. ,El-Sherbiny, M.K., and Others "Experimental Study of the Saturation and the Cross-Magnetizing Phenomenon in Saturated Synchronous Machines",IEEE-Summer Meeting of 1987.
45. El-Serafi, A.,El-Sherbiny, M.K., and Others,"Experimental Varification of the Cross-Magnetizing Phenomenon in Saturated Synchron Machines". Inter-Mag. Conf. IEEE in Japan for 1987.
46. El-Serafi, A.,El-Sherbiny , M.K., and Others, "Effect of the Cross-Magnetizing Phenomenon in the Power load Angle Relationship" . International Conference on Electrical Machines, August, 1987, Beijing, China.
47. Soliman , H. , El-Sherbiny , M.K., and Other , "power System Control With Minimum Eigenvalue Sensitivity to Operating Conditions", International Journal of Computer & Elect. Engin. , Vol.10 , PP.250-258 , U.S.A , 1987.
48. El-Sherbiny, M.K.; Fargahally, M.M; Abdel S. Saatar, Girgis G.A., "An Accurate Calculation and Method of Reduction of Energy Losses of Power Transformer Allong Its Life Time". Vol.II, Part 4, IOI-166(1983).
49. . El-Sherbiny, and El-Serafi, A.,"A Modified Block Diagram to Include Saturation of Synchronous Machines for Dymamic Analysis". PAS-IEEE IOI, No. 7, pp. 1899, July 1982.
50. . El-Sherbiny, M.K.; Saleh, A.I. and El-Gaafary, A.A.M., "Optimal Design of an Overall Controller of Saturated Synchronous Machines Under Different Loading" (Paper No. 82 S'M 490-1) IEEE Summer Meeting, July 1982, San Francisco, CA.
51. El-Sherbiny, M.K.; Fargely, M.M.; and Atta, S.M., "Direction of Single Phase to Ground Faults for Insulated Systems with Arc Supressing Coils". Vol. VII, Part 1, January 1979.
52. El-Sherbiny, M.K., Abou-Faddan, H.I.; Saied, M.M, and El-Shewy, H.M., "Improved Synchronous Machines Block Diagram to Include Sturation and Study of Its Effect", Bulletin of the Faculty of Engineering, Assiut University, Vol. 7, Part 2, 84- 108 (1979).

53. El-Sherbiny, M.K. Hsu, K.W., and Rhody, H.E. "Approposed Application of Microcomputer In Analyzing the Behavior of High Fault Transmission System, Proceeding of the First International Symposium on mini-and Microcomputers In Control, January 8 and 9, 1979, San Diego, California, U.S.A.
54. El-Sherbiny, M.K.; Fargely, M.M.; and Atta, S.M. "Direction of Single Phase to Ground Faults for Insulated System, Without Arc Supression Coils". Bulletin of the Faculty of Engineering, Vol. VII, Part I, January 1979.
55. El-Sherbiny, M.K.; Abdel-Salam, M. ; and Abdel Sattar, S. "Digital Study of Heat Flow for Closely Spared Underground Power Transmission Cables Using Simulation Technique". Proceeding of IEEE PES for Summer Meeting, Los Angles, California, July 16-21, 1978, Paper No. A 78-553-O, U.S.A.
56. El-Sherbiny, M.K. and El-Moazzamy, F.M. "Different Forms of Stability in Power Systems". Bulletin of the Faculty of Engineering, Vol. IV, Part 2, July 1976, Assiut, Egypt.
57. .El-Sherbiny, M.K. and El-Moazzamy F.M. "Analysis of Power System for Dymamic Stability by a Block Diagram". Bulletin of Faculty of Engineering, Vol. IV, Part 2, July 1976, Assiut University, Assiut, Egypt.
58. El-Sherbiny M.K. "Amortisseur Winding Part I | Improved Synchronous Machin's Block Diagram to Include Amortissur Winding and Study of Its Effect". (Paper A 75 527-2) IEEE Summer meeting, San Francisco, California, July 1975., U.S.A.
59. El-Sherbiny, M.K. "Amortisseur Winding Part II| Analysis of Damping Torque Contributed by Amortisseur Winding, Field Winding, and Their Interaction, Together with the Effect of Loading". (Paper A 75 528-0) IEEE Summer Meetingm, San Francisco, California, July 1975, U.S.A.
60. El-Sherbiny M.K. and Hugh, J.R. "A General Analysis of Developing a Universal Stabilizing Signal for Different Excitation Controls, Which Is applicable to all possible Leading For Both Laggins and leading Operation" (Paper C 74 106-1) IEEE Winter Meeting at New York City, January 1974., U.S.A.
61. El-Sherbiny M.K. and Hugh, H.H. "Dynamic System Instability for Under-Excited Operation and Effect of Different Loading and Excitation Systemem" (Paper C73-513-9). IEEE Summer Meeting at Vancouver, Canada, July 1973.
62. El-Sherbiny, M.K. and Sciamanda, R.R. "Representation of Error Functions by Sums of Exponentials" Transaction Paper- American Journal of Physics - February 1973.
63. El-Sherbiny, M.K "Representation of Magnetization Curve by Sum of Exponentials" Transaction Paper- IEEE- on Magnetirm-March 1973.
64. El-Sherbiny, M.K. and Metha, D. "Dynamic System Stability (Part II)- Design Realistic Compensating Network for Excitation Control Using Digital Computer"- (Paper C73-221-9) IEEE Winter Meeting, February, 1973 New York City, N.Y., U.S.A.
65. El-Sherbiny, M.K. and Mehta, D. "Dynamic System Stability (Part I)- Investigation of the effect of Different Loading and Excitation Systems"-PAS-92, IEEE-Sept./Oct., 1973. This paper has been selected as one chapter in the book titled"Stability of Large Electric Power Systems" Edited by R.T. Byerly, E.W. Kimbark, IEEE press, 1974.

66. El-Sherbiny, M.K. and Fouad, A. "Digital Analysis of Excitation Control for Inter-Connected Power System"-PAS-90, IEEE-March/April, 1971.

Reference:

1. Prof. Dr. Metwally El-Sherqway Prof. of Electrical Engineering Dept, College of Engineering, Ein Shams University, Cairo, Egypt.
2. Prof. Dr. Abdel hay Sallam , College of Engineering, Port Said, University of Swez Canal, Egypt.
3. Prof. Dr. Hany Selim, Prof. of Electrical Engineering, Assiut University, Assiut, Egypt.
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