**Assiut University**

**Faculty of Engineering**

**Elect.Eng.Dept**

**Assiut Egypt**

**CURRICULUM VITAE**

**Personal Information:**

**Full Name : Nabil Hassan Ibrahim Fetih**

**Date of Birth : 1-10 -1942**

**Nationality : Egyptian Marital Status: Married**

**Address :Elect.Eng.Dept. Faculty of Engineering University of Assiut.Assiut,Egypt.**

**Academic Degree:**

**Professor in Electrical Engineering department.**

**Educational Degrees:**

**1-B.Sc.(honor) in Electrical Engineering (Power Section).Faculty of Engineering . Ain-Shams University, Cairo, Egypt, July 1964**

**2-M.Sc. in Electrical Engineering, Faculty of Engineering, Assiut University , Assiut. Egypt, April 1971.**

**3-Doktor Ingenieur (Electrical Engineering) . Institut fur Elekrotechnik, Clausthal-Zellerfeld. West Germany.**

**Professional Career :**

**Sept, 1964 - Oct. 1973 : Graduate Research and Teaching Assistant, Elect. Eng. Dept., University of Assiut. Assiut, Egypt.**

**Oct. 1973 -July 1978 : Postgraduate Research Assistant. Institut fur Elektrotechnik. Clausthal-Zelierfeld. West Germany.**

**Nov. 1978 - Nov. 1983 : Lecturer, Elect. Eng. Dept., University of Assiut. Assiut, Egypt.**

**Nov. 1983 - Jan. 1989 : Assistant Professor. Elect. Eng. Dept., University of Assiut, Assiut, Egypt.**

**Jan. 1989 - Till Present Time : Professor, Elect. Eng. Dept.. University of Assiut. Assiut, Egypt.**

**Teaching Experience**

**Since Sep. 1964 and till present time, I have leached the following subjects :**

**1-Theory of Direct Current Electrical Machines.**

**2-Theory of Alternating Current Electrical Machines.**

**3-Design of Electrical Machines.**

**4-Electrostatic and Electromagnetic Fields.**

**5-Electrical Engineering Fundamentals.**

**6-Electrical Testing.**

**7-B.Sc. Project in Electrical Engineering.**

**8-Courses for Higher Degree (Diploma and M.Sc.).**

**Professional Societies :**

**Member of the Egyptian Engineering Syndicate (Professional Engineer).**

**Research Experience :**

**1-M.Sc. Thesis :" Optimal and Suboptimal Controllers, Case of Optimal Design of Minimum Error Regulator for Speed Control of a Direct Current Motor " .during the period 1969 -1971.**

**2-Doktor Inginieur Thesis : " Theoretische Untersuchungen eines electromagnetischen Transversalfeld - Beschleunigers fur Schwingsysteme " .during the period 1973 - 1978.**

**3-Since 1978 and till present time ; Supervise the post –graduate students for their higher degree in Electrical.**

**Publications :**

**Separate sheet is attached**

**List of Publications**

**l-"0n Optimal Speed Regulation of Direct Current Motor . Part1. Theoretical Investigation" , Bulletin of the Faculty of Engineering .Assiut University . Vol. I , Part II, July 1973.**

**2-"0n Optimal Speed Regulation of Direct Current Motor. Part 2, experimental Investigation" ,ibid.**

**3-"Cost-Optimlzed Transformer Design Including its Reactive Power Consumption " Paper Presented at the IEEE-Meeting (Mexicon 80), 22-25 October 1980, Mexico City, Mexico.**

**4- "Effect of Winding Material on Optimal Design of Loaded Transformer ", ibid.**

**5-"Constrained Cost-Optimized Design of Loaded Transformer ". ibid.**

**6-"0ptimal Expansion of Transformer Substations ", IEEE Trans. On PAS .Vol. 101. No. 11, November 1982.**

**7-"A Generalized Approach to the Transient Thermal Behavior of Electric Power System Components "Bulletin of the Faculty of Elect. Eng. Dept. Assiut Egypt Engineering, University of Assiut, Vol. 10 , Part 3, July 1892.**

**8-"Accelerated Loss of Life of Electric Power System Component Operated above their Nameplate Ratings ". Bulletin of the Faculty of Engineering , University of Assiut, Vol. 11, Part 1. Jan. 1983.**

**9-"0ptimal In tented Overloading of Electric Power System Components ", ibid.**

**10-"Optimal Design of Reluctance-Augmented Shaded-Pole Motor with one Shading Coil ", ibid.**

**11-"The Minimum Weight Power Transformer ". Bulletin of the Faculty of Engineering , University of Assiut, Vol. 1 1 , Part 2, April 1983.**

**12-"0ptimal Design of Reluctance-Augmented Shaded-Pole Motor with Double Shading Coils ". Bulletin of the Faculty of Engineering. University of Assiut. Vol. 11. Part 3, July 1983.**

**13-"Effect of Probability Density Distribution of Output Noise on the Estimation of System Dynamics ", Bulletin of the Faculty of Engineering. University of Assiut. Vol. 11. Part 2. April 1983.**

**14-" Optimal Design of Tubular Actuators ", Bulletin of the Faculty of Engineering , University of Assiut, Vol. 11. Part 3. July 1983.**

**15-" Optimum Design of Pole Amplitude Modulated Induction Motor ". Bulletin of the Faculty of Engineering . University of Assiut .Vol. 12, Part 2. April 1984.**

**16-" Induction Motor Optimum Design . Including Active Power Loss Effect ". Presented Paper in the IEEE Winter Meeting . Feb. 3-8, 1985. New York City.**

**17-" Comparative Study in Economical Design of Induction Motors ", Presented Paper in the International Conference on Electrical Machines . Lausanne , Switzerland . 18-21 Sept.1984.**

**18-" Transient Analysis of Phase Controlled Single-Phase Induction Motors, an Application of the Method of Instantaneous Symmetrical Component ". Seventeenth Annual Midwest Power Symposium. Michigan Tech. University. USA. October 3 and 4. 1985.**

**19-" The Use of Integral-Cycle Switching for Control of Single Phase Induction Motors ", Fourth International Conference on System Engineering , Conventry Lanchester Polytechnic, England , 10-12 September 1985.**

**20-" Thyristor Integral-Cycle Control of Single Phase Induction Motors ". IEEE-IAS 1985 Annual Meeting, Toronto, Canada 6-1 1 October 1986.**

**21-" Material-Cost Optimized Induction Motor using Rosenbrock Nonlinear Optimization Technique. Part 1. Theoretical Investigation ", Bulletin of the Faculty of Engineering .University of Assiut. Vol. 14, Part 1. Jan. 1986.**

**22-" Material Cost-Optimized Induction Motor using Rosenbrock Nonlinear Optimization Technique, Part 2, Application and Results ",ibid.**

**23-" A Generalized Model of a Triac-Controlled Symmetrical or Asymmetrical Squirrel-Cage Induction Motor. Part 1, Theoretical Investigation" . Bulletin of the Faculty of Engineering .University of Assiut, Vol. 14, Part 1. Jan. 1986.**

**24-" A Generalized Model of a Triac-Controlled Symmetrical or Asymmetrical Squirrel-Cage Induction Motor, Part 2, Application and Results, Bulletin of the Faculty of Engineering .University of Assiut. Vol. 14. Part 2, Jan. 1986.**

**25-" Integral Cycle Control of Single Phase Induction Motors" . Industry Applications Society, IEEE-IAS 1985 Annual Meeting.**

**26-" The use of Integral Cycle Switching for Control of Three-Phase Induction Motors", System Science ,Vol. 12, No. 1-2,1986.**

**27-" Speed Control of Three-Phase Induction Motor using an Integral-Cycle Controlled Single Triac", Bulletin of the Faculty of Engineering, University of Assiut, Vol. 15, July 1987.**

**28-" Control of Over voltages due to Load Rejections using Static VAR Compensators". First Symposium on Electrical Power Systems in Fast Developing Countries, March 21-24. 1987, Riyadh. Kingdom of Saudi Arabia.**

**29-" A Comparative Study of Power Transformer Optimal Designs According to Different Criteria", Electric Energy Conference 6-9 October ,1987 (eecon'87).**

**30-" Speed Control of DC Series Motor using an Integral-Cycle Controlled Single Triac ". Presented Paper in the IEEE/PES Summer Meeting, San-Francisco, 1987, 12-17 July.**

**31-"' Starting of Induction Motors by Static VAR Compensator ".Third International Conference on Power Electronics and Variable Speed Drives. 13-15 July 1988. IEE, England.**

**32-" Performance Characteristics of Triac Controlled Single Phase Induction Motor having Space Harmonics in its Magnetic Field". Electric Power System Research, Vol. 14. 1988. PP 97-102.**

**33~" Static VAR Compensator Application for Minimizing the Surge Arrester Retina at Aluminum Smelter Electrolysis Plant Terminals". Universities Power Engineering Conference, Trent Polytechnic20 th -22 th September 1988. London.**

**34-" Optimization of Static VAR Compensators Controller Parameters for Starting Large Induction Motor Loads". International Conference on Electrical Machines, icem'88, 12-14 September 1988.Pisa. Italy.**

**35-" Speed Control of DC Series Motor using a Modulated Phase-Angle Controlled Single Triac". Presented Paper in the IEEE Winter Meeting, 1989. New York.**

**36-" Performance Characteristics of an Integral-Cycle Controlled DC Separately Excited Motor". Middle East Power System Conference. MEPCON 89. Ass.iut University. Faculty of Engineering, Assiut. Egypt 1989.**