# C.V.

## Prof. Dr. / Ali Mohamed Yousef

### Faculty of Engineering
### Assiut University
### Electrical Eng. Dept.

drali_yousef@yahoo.com

I. General :

| Name | **Ali Mohamed Yousef Ali** |
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| Date of birth | January, 9,1968 |
| Place of birth | Assiut, Egypt |
| Nationality | Egyptian |
| Sex | Male |
| Office | Department of Electrical Engineering, Faculty of Engineering, Assiut University, Assiut, Egypt<br>E-mail: drali_yousef@yahoo.com<br>Fax : 088-2332553<br>Phone : 088-2412279 (office)<br> : 088-2352534 (home)<br>**0596637091 KSA** |
| Present Occupation | Associate prof. 30-4-2008<br><div align="right">استاذ مشارك– قسم الهندسه الكهربائية</div> |
| Now | <div align="center">**استاذ التحكم فى نظم القوى من 2014/5/31**</div> |
| Academic Qualification | **B.Sc.** Electrical Engineering, Assiut University, May-1993.<br>Average Grade : *Distinction*<br>B.Se. Project : Power System Analysis.<br>Project Grade: *Distinction*<br><br>**M. Sc.** Electrical Engineering, Assiut University, March-1998.<br>Title of M.Sc. : " Effects of Harmonics in Electric Power Systems".<br><br>**Ph.D** Electrical Engineering, Assiut University, Egypt, Feb.-2003<br>Title of Ph.D : " Efficient Methods for Enhancing Power System Operations ". |

<div align="center">**حائز على جائزة الأستاذ الدكتور سليمان حزين للتفوق العلمي بجامعة أسيوط**</div>

## II.  Employment History and Experiences:

| Egyptian Armed Forces | From September, 16, 1993 to December 1994 |
|---|---|
| Demonstrator | Electrical Engineering Department, Assiut University, from January 1995 to Jun. 1998. |
| Lecturer | Electrical Engineering Department, Assiut University, from Jun., 21, 1998 to Feb. 2, 2003 |
| Assistant Professor | Electrical Power and Machine System and  Control Engineering Assiut University, from March, 2, 2003 until now. |
| Associate Professor | Electrical Power and  Control Engineering   Assiut University, from April, 30- 2008 until now. |

## III. CERTIFICATES:

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|---|---|
| 1 | International Toufel score , Assiut university |
| 2 | Advanced level in English language from Assiut    University center 2001. |
| 3 | Take part of MEPCON'1996, conference, Luxor-Egypt Jan.     1996 |
| 4 | Take part of MEPCON' 2001 conference, Helwan University, 2001 |
| 5 | Take part of INES'2003 conference, Assiut University, Mach    2003 |
| 6 | ake part of MEPCON'2003 conference, Shbeen El-Kom, Monefiya University, Dec. 2003 |
| 7 | Take part of IEEE  ICEEC'04 conference, Faculty of Engineering, Ein Shams University, Sep. 5-7, 2004 |
| 8 | Take part of International conference in information technology ICIT'2004 from 17-19 December 2004,  Istanbul, Turkey |
| 9 | Take part of AEIC' 2004 Al-Azhar  University 8th international conference, Dec. 24-27, 2004. |
| 10 | Take part of  1st international conference of Egyptian scientific research , May 28-29, 2005. |
| 11 | Take part of the fourth Arab LIBYAN International Conference of Electrical Engineering, March 20-23, 2006. |
| 12 | Take part of AEIC' 2007 Al-Azhar  University 9th international conference, March. 12-14, 2007. |
| 13 | Take part of of 1 st international conference of energy, Aswan, Egypt, 2009 |

## IV. ACTIVITIES

- Lecturer : Power system analysis and Power Engineering
- Lecturer : Electrical testing machine technology.
- Lecturer : Electrical and electronics Circuits and Measurements.
- Lecturer : Power electronics and their applications.
- Lecturer : power system control and stability.
- Lecturer : Computer programmable- Matlab software.

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## LIST OF PUBLISHED PAPERS
### Prof. Dr./ Ali M. Yousef

### M.Sc. Papers: From October 1995 to June 1998

[1].  **Ali M. Yousef** , M.K. El-Sherbiny , G.El-Saady and E. A. Ibrahim "harmonic analysis of a single-phase non-linear load and methods of reduction" MEPCON'2003 conference, Sheben El-Kom, Minoufiya University, Egypt, December 16-18, 2003. PP. 445-451.

### One Paper was published from M.Sc. Thesis.

### Ph.D Papers: from july 1999 to Feb. 2003

[2].  M.K. El-Sherbiny, G.El-Saady and *Ali M. Yousef* , " A-two-layered fuzzy logic controller for power system automatic generation control" proceeding of 4th jordan international electrical conference (4th JIEEEC-2001), 16-18 April 2001, pp. 197-202.

[3].  M.K. El-Sherbiny , *Ali M. Yousef,* and G.El-Saady " Efficient fuzzy logic load-frequency control" Energy Conversion and Management Journal, Vol. 43, Issue No. 14, September 2002, PP. 1853-1863.   **(IF=2.164)**

[4].  M.K. El-Sherbiny, G.El-Saady, and *Ali M. Yousef* **,** "Robust controller for power system stabilization" IEEE MEPCON'2001, Helwan University, Cairo, Egypt, December 29-31, 2001, pp. 287-291.

[5].  G.El-Saady, *Ali M. Yousef,* and M.K. El-Sherbiny " Robust power system stabilization for increasing the power system operating range" accepted for 17th IEEE Region 10 International Conference on computer, Communications, Control and Power Engineering IEEE TENCON'02 conference, Oct. 28-31, 2002, Beijing, *China*

[6].  M.K. El-Sherbiny , M. M. Hassan, G.El-Saady, and *Ali M. Yousef* " Optimal pole shifting for power system stabilization", Electric Power Systems Research Journal, No.66 PP. 253-258. 2003,          **(IF=1.633)**

[7].  M.K. El-Sherbiny, *Ali M. Yousef,* M. M. Hassan and G.El-Saady "Optimal pole-Shifting controller with prescribed dominant eigenvalues for power system stabilization". Accepted for IEEE-PES/CSEE International Conference on power system PowerCon 2002, October 13-17, 2002, China.

[8].  M.K. El-Sherbiny, M. M. Hassan, G. El-Saady, and *Ali M. Yousef* , " Efficient two-layered fuzzy logic for power system automatic generation control considering governor deadband and GRC", IEEE 7th international Conference on Intelligent Engineering System (INES'2003), Assuit- Luxor, Egypt, March 4-6, 2003

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[9].    *Ali M. Yousef* and M. K. El-Sherbiny "Analysis of damping    torque contributed by the amortisseur winding effect", 5th International conference, CATAEE'2004, Philadelphia University,  *AMMAN-JORDAN*, pp:153-157, 16-18 March  2004

[10].   *Ali M. Yousef* " Multi-machine power system stabilizer based on Fuzzy logic control"  Journal of Engineering sciences, Faculty of Engineering, Assiut University, Vol. 32-No.2, pp. 655-664, April 2004

[11].    Ali M. Yousef " Transient stability enhancement of multi- machine using Global deviation PSS"  Journal of Engineering sciences, Faculty of Engineering, Assiut University, Vol. 32-No.2 ,pp. 665 -677, April 2004

[12].   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 , pp. 1359-1369, July 2004

[13].   Ali M. Yousef and N. Ashtawa " Observer Design Based Optimal Control For Low Frequency Operating Range"  3rd International El-Fateh Conference proceeding, El-Fateh University, Libya, 20-23  March 2006.

[14].    *Ali M. Yousef* and M. K. El-Sherbiny "Improvement Of Synchronizing And Damping Torque Coefficients based     LQR Power System Stabilizer"  IEEE ICEEC'04 conference, Faculty of Engineering, Ain Shams University, pp. 753-758, Sep. 5-7, 2004.

[15].   *Ali M. Yousef* and M. K. El-Sherbiny " Experimental verification of the Power system stabilizer based on Linear quadratic Regulator Control" AEIC' 2004 Al-Azhar  University 8th international conference, Dec. 24-27, 2004.

[16].   *Ali M. Yousef* and Amer Abdel-Fatah " A robust $H_\infty$ Synthesis Controller For Power System Stabilization"  Automatic Control and System Engineering (ACSE) journal, ISSN 1687-4811, volume (05), Issue (2), PP. 1-6,  Germany, 2005.

[17].   Ali M. Yousef and Mansour A. Mohamed " Multimachine Power System Stabilizer Based on Efficient Two-Layered Fuzzy Logic Controller" published in international conference of information technology ICIT'2004 proceeding conference- Istanbul, Turkey pp. 137-140,Dec.-2004.
        * ENFORMATIKA JOURNAL VOLUME 1 NUMBER- 4,  2004 ISSN 1305-5313, PP. 1016-1019

[18].   Mansour A. Mohamed and *Ali M. Yousef* " New Strategy Agents to Improve Power System Transient Stability" published in international conference of information technology ICIT'2004 proceeding *Istanbul, Turkey* , pp. 261-266, Dec.-2004.
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[19].   A. Abdel-Twab, Y.Sayed,  *Ali M. Yousef,* and A. Kassem "Voltage Source

Inverter Controller Using Linear Quadratic Method in a Wind Applications" published in 3rd Saudi Technical Conference and Exhibition (STCEX-2004), 11-15, pp. 125-132, KSA, December 2004.

[20].  *Ali M. Yousef* "Design Of Power System Stabilizer Based On Robust H₂lqg Controller For Power System Stabilization", " Journal of Engineering sciences, Faculty of Engineering (JES), Assiut University, Vol. 33, No. 4, Joule 2005

[21].  *Ali M. Yousef* "Robust Stabilizer Based On $H_\infty$ For Interconnected Power System Using Kalman Estimator " 8th International Middle-East Power Systems Conference (MEPCON'2005) proceeding, Port-Saed, Suze Canal University, pp. 557-563, Dec. 2005

[22].  A. Abdel-Twab, Y. Sayed, *Ali M. Yousef,* and A. Kassem "Robust Control of a Wind Driven Induction Generator Connected to the Utility Grid", " Journal of Engineering sciences, Assiut University(JES), Vol.34, No.1, pp. 107-121, January 2006.

[23].  A. Abdel-Twab, Y. Sayed, *Ali M. Yousef,* and A. Kassem "Robust Control Based on $H_\infty$ of a Wind Driven Induction Generator Connected to the Utility Grid", " Journal of Engineering sciences, Assiut University, Vol.34, No. 3, pp.779-797, May 2006

[24].  E. A. Ibrahim, *Ali M. Yousef* and M. Abdel-Hakeem " An on line optimal Artificial neural network-Based controller for simplified order power systems " Journal of Engineering sciences, Assiut University(JES), Vol.34, No.1, pp. 89-106, January 2006

[25].  *Ali M. Yousef,* Labib Daloub and M. Rezzaghi " A breakthrough in Industrial Power Quality", 3rd International El-Fateh Conference proceeding, El-Fateh University, Libya, 20-23 March 2006

[26].  *Ali M. Yousef,* N. Ashtawa and M. Abu-Zied "Optimal Pole Shifting Controller Based Power System Stabilization", 3rd International El-Fateh Conference proceeding, El-Fateh University, Libya, pp. 55-66; 20-23 March- 2006

[27].  *Ali M. Yousef* and G. El-Saady "Robust Stabilizer Based On $H_\infty$ For Interconnected Power System" accepted for 6th jordan international electrical conference (4th JIEEEC-2006), 14-16 March 2006

[28].  *Ali M. Yousef* "Fuzzy Logic Load Frequency Controller for Single and Two-Area Power Systems with System non-Linearity" published in MEATIP4 conference proceeding, Assiut University, PP. 467-477, 2006

[29].  Ayman A. Aly and *Ali M. Yousef* " An Adaptive PID control of Hydraulic Crane" published in MEATIP4 conference proceeding, Assiut University, PP. 456-466, 2006

[30].  Labib Daloub, *Ali M. Yousef,* and M. El-Rezaghi " Power System Stabilizer Design Based on Robust Control for Multi-Machine System" Al-Azhar Engineering ninth International Conference, Vol. 2,No. 4, PP. 631:640, Apr. 2007

[31].  *Ali M. Yousef*, Nasr M. Ashtawa and M. R. Abu-Zied "Stabilization of a

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Synchronous Machine Through Observer and Output Feedback Control" Al-Azhar Engineering ninth International Conference, Vol. 2,No. 5,PP. 424:433, Apr. 2007

[32]. **Ali M. Yousef,** N. A. Ibrahim and M. Abdel-Hakem "Multi machine power system stabiliser based on optimal control of the least number of equipment , accepted in Journal of Engineering sciences, Assiut University(JES), 2007

[33]. **Ali M. Yousef** "Efficient fuzzy logic design to improve dynamic stability of lateral landing autopilot ", *Proceeding of the 12-th ASAT Conference,* GUD-01, PP.1:20, *29-31 May 2007*

المؤتمر الدولي الثاني عشر لعلوم وتكنولوجيا الطيران والفضاء    29- 31 مايو 2007
الكلية الفنية العسكرية -القاهرة

[34] Mansour A. Mohamed and *Ali M. Yousef* " New Strategy Agents to Improve Power System Transient Stability", World Academy of science, Engineering and Technology Journal , Vol. 3 March 2005. (IF=.23)

[35] **Ali M. Yousef** and Labib Daloub " Stability improvement based on power system stabilizer and static VAR compensator", SIGRE International Power Conference, 10-12 November 2008, Manama- Kingdom of Bahrain

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[36]. *Ali M. Yousef and Ahmed Kassem, " Vector control induction motor based on PWM" 5$^{th}$ international conference on Electrical Engineering (CEE08), Benta, Algeria 27-29 October 2008, pp. 384-368*

[37]. *Ahmed Kassem* and *Ali Yousef* " Robust H∞ Control design and dynamic performance analysis of an Isolated Diesel-Generation unit", Journal of Electrical Engineering, Romania ,Vol. 8, Issue -3,2008, PP. 39-46

[38]. *Ali M. Yousef and Ahmed Kassem* " Multi-Area Transient Stability Enhancement using Different types of robust power system stabilizers", 10$^{th}$ International Al-Azhar Eng. Conference, Dec. 24-26, 2008. Egypt

[39]. *Ahmed Kassem and Ali M. Yousef* " Servo DC Motor Position Control Based on Sliding Mode Approach", The fifth Saudi Technical Conference and Exhib., (STCEX09), Riyadh, January 11-14, 2009, pp.557-561, Saudi Arabia

[40]. Ahmed M. Kassem and *Ali M. Yousef* " Robust MPPT control design and dynamic performance of a PV-Generator powered DC-motor pump system" , 13$^{th}$ middle East Power System Conference IEEE , MEPCON' 2009, Assiut university, Egypt, 20-23 December 2009, pp. 379-384

[41]. G. El-Saady , *Ali M. Yousef* and Ahmed M. Kassem "ROBUST STABILIZER BASED ON MIXED $H_{\infty}$ AND PID CONTROLLER FOR INTERCONNECTED POWER SYSTEM",IEEE, 13$^{th}$ middle East Power System Conference MEPCON' 2009, Assiut university, Egypt, 20-23 December 2009, PP.723-729

[42]. Labib Daluob , *Ali M. Yousef* and Rajeb Ibsaim "Enhancement of Voltage &

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Current waveforms using Harmonic Filter",IEEE 13th middle East Power System Conference MEPCON' 2009, Assiut university, Egypt, 20-23 December 2009, PP. 92-96

[43]. *Ali M. Yousef* and Noby A. Ibrahim and M. Abdel-Hakeem " Multimmachine Power System Stabilizer Based on Optimal Control of the Least Number of Equipment ',Aswan Conference, 2008

[44]. **Ali M. Yousef** and Ahmed M. Kassem, " OPTIMAL POLE SHIFTING CONTROLLER FOR INTERCONNECTED POWER SYSTEM", *Energy Conversion and management Journal*, vol. 52, Issue 5, pp. 2227-2234, 2011,
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[47]. **Ali M. Yousef** " MODEL PREDICTIVE CONTROL APPROACH BASED LOAD FREQUENCY CONTROLLER", Journal of Engineering Sciences, Assiut University, Assiut, Egypt, Vol. 38- No. 5, pp. 1259-1273, September 2010

[48]. **Ali M. Yousef** and Ayman A. Ali " Effect of Non-linearities in Fuzzy Approach for Control A Two-Area Interconnected Power System", Proceeding of the 2010 IEEE International Conference on Mechatronics and Automation, August 4-7, 2010, Xi'an, China., pp. 706:711

[49]. **Ali M. Yousef,** Jabril A. Khamaj and Ahmad Said Oshaba "Steam-Hydraulic Turbines Load Frequency Controller Based on Fuzzy Logic Control', Research Journal of Applied Sciences, Engineering and Technology 4(15): 2375-2381, 2012 **(IF=0.23)**

[50]. Ahmed M. Kassem , *Ali M. Yousef* " Robust control of an isolated wind-diesel power system using linear Quadratic Gaussian approach", Electrical Power and Energy System Journal, Vol.33, pp. 1092-1100 (2011),
**(IF=2.247)**

[51]. **Ali M. Yousef** and Ahmed M. kassem, " Power System Stabilizer Based on Robust $H_{inf}$ Controller for Low Frequency Operating Range" Research Journal of Applied Sciences, Engineering and Technology 4(10): 1376-1385, 2012
**(IF=0.23)**

[52]. **Ali M. Yousef** " Model Predictive Control Approach Based Load Frequency Controller", WSEAS TRANSACTIONS on SYSTEMS and CONTROL, Issue 7, Volume 6, July 2011
**(IF=0.735)**

[53]. **Ali M. Yousef** "Experimental Set up Verification of Servo DC Motor Position Control Based on Integral Sliding Mode Approach" *Journal of Engineering*

*Sciences, Assiut University, Vol. 39, No 5, pp. 1095-1110, September 2011*

[54]. **Ali M. Yousef** *"Neural Network Predictive Control Based Power System Stabilizer"* , Journal of Engineering Sciences, Assiut University, Assiut, Egypt, Vol. 39- No. 6, pp. 1431-1447, November 2011.

[55]. **Ali M. Yousef** *"Neural Network Predictive Control Based Power System Stabilizer"*, Research Journal of Applied Sciences, Engineering and Technology 4(8): 995-1003, 2012 **(IF=0.23)**

[56]. **Ali M. Yousef** and Ahmed M. Kassem, " Experimental Setup and Robust Servo DC Motor Position Control Based on Gain Schedule Sliding Mode Controller", Research Journal of Applied Sciences, Engineering and Technology 4(10): 1320-1327, 2012

**(IF=0.23)**

[57] **Ali M. Yousef** and Ahmed M. Kassem " Optimal Power System Stabilizer Based Enhancement of Synchronizing and Damping Torque Coefficients", WSEAS TRANSACTIONS on POWER SYSTEMS, Issue 2, Volume 7, April 2012, PP. 70:79

[58] Ahmed M. Kassem , *Ali M. Yousef* "Fuzzy-logic Based Self-tuning PI Controller for High-Performance Vector Controlled Induction Motor Fed by PV Generator", Journal of Engineering Sciences (JES), Assiut University, Vol .40 No. 4, pp.1179-1193, July 2012.

[59] **Ali M. Yousef** and Ahmed Said Oshaba "EFFICIENT FUZZY LOGIC SPEED CONTROL FOR VARIOUS TYPES OF DC MOTORS SUPPLIED BY PHOTOVOLTAIC SYSTEM UNDER MAXIMUM POWER POIENT TRACKING", Journal of Engineering Sciences (JES), Assiut University, Vol .40, No. 5, pp.   , September 2012.

[60] Ahmed M. Kassem and *Ali M. Yousef* " Dynamic modeling and robust power control of DFIG driven by wind turbine at constant grid" , International journal of Electrical Power and Energy System Journal, Vol. 44 , pp. 375-382 , (2013), **(IF=2.247)**

(61) **Ali M. Yousef** "Switched Reluctance Motor Sensorless Fed by Photovoltaic System Based on Adaptive PI Controller", Research Engineering journal (REJ), Shebin El-Kom , Vol . 35 , No. 4 , pp.333-342 , October 2012.

(62) **Ali M. Yousef**, Jabril A. Khamaj and Ahmad Said Oshaba "Load frequency Controller Based on Fuzzy Logic Control of Single Thermal Power Station", <u>Acceptance in</u> Research Journal of Applied Sciences, Engineering and Technology , 2012 **(IF=0.23)**

| (63) | **Ali M. Yousef** " POWER SYSTEM CONTROLLER DESIGN BASED ON ROBUST H2_THEORY", Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 41, No. 4, July,2013, pp. 1660 – 1674 |
|---|---|
| (64) | **Ali M. Yousef** " OPTIMAL SHIFTING OF EIGENVALUES FOR LOAD FREQUENCY CONTROL SYSTEMS", Journal of Engineering Sciences, Assiut University, Faculty of Engineering, *Vol. 41, No. 5, September*, pp. *1857 – 1876* |

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| (65) | MOHAMED ZAHRAN AND **ALI M. YOUSEF** , " Photovoltaic Wind-Turbine Battery Hybrid System Monitoring using LabVIEW Virtual Environment", Journal of electrical engineering, Romania, JEE, Vol. 14 Issue -1,2014, |
| (66) | Ahmed. M. Kassem and **Ali M. Yousef** ,"Voltage and frequency control of an autonomous hybrid generation system based on linear model predictive control", Sustainable Energy Technologies and Assessments, Vol. 4 (2013), pp. 52–61 |

## After Became a Professor 31/5/2014

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| (67) | **Ali M. Yousef** and Ahmed. M. Kassem " Two-Area Load Frequency Controller Based on Fuzzy Approach with the Effect of Governor Deadzone and GRC Non-Linearity",  16th International Middle- East Power Systems Conference -MEPCON'2014 Ain Shams University, Cairo, Egypt, December 23 - 25, 2014 |
| (68) | **Ali M. Yousef**, and Mohamed Zahran "Fuzzy Logic Speed Control of Permanent Magnet DC motor supplied by Photovoltaic System with Robust MPPT", The First Irbid International Engineering Conference  جامعة العلوم والتكنولوجيا الأردنية |
| (69 | **Ali M. Yousef** " OPTIMAL SHIFTING OF EIGENVALUES FOR LOAD FREQUENCY CONTROL SYSTEMS", Journal of electrical engineering, Romania, JEE, Vol. 14 Issue -2 ,2014, |
| (70) | **Ayman M .M. Brisha, Ali M. Yousef and Ahmed M. Kassem,** "TWO LAYERED FUZZY LOGIC CONTROL FOR DC MOTOR SPEED CONTROL AND PERFORMANCE IMPROVEMENTS", **Minia Journal of Engineering and Technology, (MJET)** *Vol. 33, No 2, July 2014* |
| (71) | Mohamed Zahran and **Ali M. Yousef**, "Monitoring of Photovoltaic Wind-Turbine Battery Hybrid System", WSEAS Transaction on Power System", Issue 1, Volume 9, January 2014**.                       ( IF=0.75)** |
| (72) | **Ali M. Yousef, Mohamed zahran and Ghareeb Mostafa, "**LQG CONTROLLER FOR ENHANCEMET POWER S**YSTEM OPERATION" , WSEAS Transaction on Power System", Acceptance.                       ( IF=0.75)** |
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