

# CURRICULUM VITAE

MURTAZA FARSADI

Prof.Dr

Date of Birth : 10 September 1957

Sex: Male

Work address:

Electrical Eng. Department, Engineering Faculty, İstanbul Aydın University, İstanbul -Turkey

Tel: 0544 947 6510

E-Mail: [murtazafarsadi@aydin.edu.tr](mailto:murtazafarsadi@aydin.edu.tr)

## PROFILE

A Determined and Hardworking Research Scientist and Lecturer With Strong Experimental and Theoretical Background and highly Developed Team – Work Skills, Who Has:

- Conducted experimental and theoretical research to design electric & electronic apparatus, e.g.
  - High-Voltage DC Defibrillator
  - Hot- transmission line maintenance
  - New Methods of Electrical Machine Control
  - Radiation Production & Detection
  - Insulating Gases
  - Experimental High-Voltage apparatus
  - New Methods of Energy Production
  - Biomedical Engineering apparatus
  - High-Voltage Switches
  - Applied Electrostatic
  - Measurement transformers
  - Partial discharge detection and measurement
  - Electrical Treeing
  - Hybrid & Electrical vehicle
  - Wave Energy
  - Wind Energy
  - New Methods of power system analysis
  - Smart grids and micro grids
  - Renewable Energy Application

- Lectured for graduate and postgraduate levels in electrical & electronics engineering.
- Received a B.Sc in Electrical Engineering, an M.Sc in Electrical & Electronics Engineering & a PhD in Electrical Engineering ( High Voltage ) ; and attended over ten different training courses
- Been employed in distinguished research group ( e.g. Professor Ozkaya & Professor Hizal financed by TUBITAK of Turkey and Also Professor Varlo research group in Manchester university )
- Ambition to conduct research into replacing SF<sub>6</sub> gas of the high voltage equipments by mixed gases And/or Vacuum
- Been recently engaged in research on computing the electric field around high voltage equipment as well as Employing numerical methods to investigate the possibility of replacing SF<sub>6</sub> by mixed gases.
- Been recently engaged in research on Renewable Energy applications, Smart Grids & micro grids operation , Electrical and hybrid Electrical vehicles in smart power systems operations

#### ACADEMIC QUALIFICATION

- Ph.D.in Electrical Engineering ( high voltage ) , Department of Electrical & Electronics Engineering, Middle East Technical University ( METU ) and Istanbul Technical University ( ITU ), Turkey 1989. Thesis title: “ Effects of Electrode Surface Roughness on Corona Inception & Breakdown Voltage in SF<sub>6</sub>, Nitrogen & SF<sub>6</sub>+Nitrogen gas mixtures, In Non-uniform Fields ”.
- M.Sc. In Electrical & Electronics Engineering, METU , Turkey 1984. Thesis title: “ Design & Construction of a High-Voltage DC Defibrillator ”.
- B.Sc. In Electrical Engineering, METU, Turkey 1982.

#### EMPLOYMENT & PROFESSIONAL QUALIFICATIONS

1982-1987	Research Assistant, Electrical & Electronics Engineering Department, METU, Ankara, Turkey.
1987-1989	Development Engineer, Research & Development Division. , ITU, Istanbul, Turkey ( During PhD Programs ).
1989-2000	Junior Lecturer & Assistant Professor in Electrical & Electronics Eng. Department, urmia University
2000-2011	Junior Lecturer & Associate Professor in Electrical & Electronics Eng. Department, urmia University
2011-today	Junior Lecturer & full Professor in Electrical & Electronics Eng. Department, urmia University

#### A. Research & Development

- Lecturer in Electrical & Electronics Engineering Department , Urmia University, Iran. Achievements In this period:
  - Setting up of Electrical Machines Laboratory for Graduate Students.
  - Supervised graduate & ph.D Projects.
  - Design and Construction of an Electrostatic filter.
  - Partial discharge detection and location in Measurement Transformers.
  - Design and construction Different types DC-DC converters
  - Design and Construction Different types Photovoltaic Systems
- Development Engineer at R&D division of ITU ( Turkey ) . Achievements in this Period:
  - A new method of Hot – transmission line maintenance.
  - Replacing SF<sub>6</sub> gas in high-voltage apparatus by mixed gases and/or vacuum.
  - Experimental high-voltage apparatus.
  - High-voltage switches.



My Latest journal papers:

- 1- M. Farsadi, "A Brief Review of Design And Application of Instrument Current Transformers" Scientific – Technical Magazine of Electrical Power Industry PP.24-31, March, 2001.
- 2- M. Farsadi "Breakdown And Corona Inception Voltages In uniform And Non-uniform ElectricField With Compressed  $SF_6$ ,  $N_2$  And  $SF_6 + N_2$  Gas Mixtures" Scientific-Technical Magazine of Electrical Power Industry PP.34-39, March, 2002.
- 3- M. Farsadi, "A Brief Review of Design And Application of Instrument Voltage Transformers" Scientific – Technical Magazine of Electrical Power Industry PP.18-23 , May, 2003.
- 4- M. Farsadi, O. Kalenderli, "Electric Field Calculations With The TTM Algorithm" WSEAS Transactions on Computers, PP. 1432-1439, Issue 10, Vol. 4, October 2005 ( Scopus indexed Journal )
- 5- SMH. Hosseini, H. Samadzadeh, J. Olamaei, M. Farsadi, " SSR Mitigation With SSSC Thanks to Fuzzy Control," TURKISH JOURNAL OF ELECTRICAL GINEERING & COMPUTER SCIENCES, ( TUBITAK ), Ankara- Turkey Code Number; ELK- 1112-81 Date of Acceptance: 19/03/2012 ( ISI & ISC Indexed Journal )
- 6- M. Hajibeigy, M. Farsadi, D. Nazarpour, H. Golahmadi, " Harmonic Suppression In HVDC System Using A Modified Control Method for Hybrid Active DC Filter. " EUROPEAN TRANSACTIONS ON ELECTRICAL POWER, PP 294 – 307, 19 January 2011, in Wiley online Library ( ISI Indexed Journal )
- 7- A. Sarijali, M. farsadi, " Application of D- STATCOM To Improve The Power Quality And Transient Operation of Induction Motor, " International Review on Modelling and Simulations PP. 318 – 324, ( I.RE.MO.S.), Vol 4, N. 1, February 2011 , ( Scopus Indexed Journal)
- 8- J. Khazaie, S. Badkubi, D. Nazarpour, M. Farsadi, " Analysis And Improvement of The Doubly Fed Induction Generator During Grid Voltage Faults, " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.65- 70, Issue 9, Volume 3, Number 4 , June 2011. ( ISC Indexed Journal )
- 9- M. Hajibeigy, M. Farsadi, KH. Behbudi Asl, " A Modified Structure of Hybrid Active DC Filter In HVDC System , " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.11- 16, Issue 10, Volume 4, Number 1 , March 2012. ( ISC Indexed Journal )

- 10- K. Araszadeh, M. Farsadi, “ Sub synchronous Torsional Oscillations And Resonance Mitigation In HVDC System and STATCOM combination . ” International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.59- 65, Issue 10, Volume 4, Number 1 , March 2012. ( ISC Indexed Journal )
- 11- H. Gahramani, A. Lak, M. Farsadi, H. Hosseini, “ Mitigation of SSR and LFO with TCSC based Conventional Damping Controller Optimized by PSO Algorithm And Fuzzy Logic Controller .” TURKISH JOURNAL OF ELECTRICAL GINEERING & COMPUTER SCIENCES, ( TUBITAK ) , Ankara- Turkey Code Number; ELK- 1112-81 Date of Acceptance: 19/03/2012 ( ISI & ISC Indexed Journal )
- 12- H. Hosseini, M. Farsadi, A. Lak, H. Ghahramani, N. Razmjoo, “ A Novel Method Using Imperialist Competitive Algorithm ( ICA ) For Controlling Pitch Angle In Hybrid Wind And PV Array Energy Production System . ” ” International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.145- 152, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
- 13- M. Mokhtari, J. Khazaie, D. Nazarpour, M. Farsadi, “ Interaction Analysis of Multifunction FACTS and D-FACTS Controller by MRGA. ” TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, ( TUBITAK ) , Ankara- Turkey Code Number; ELK- 1112-76 Date of Acceptance: 16/05/2012 . ( ISI & ISC Indexed Journal )
- 14- M. Farsadi, M. Tohidi, “ Detection Method of PD In Underground Cable. ” International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.182- 190, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
- 15- J. Khazaei, D. Nazarpour, M. Farsadi, M. Khalilyan, S. Badkubi, “ Shunt Hybrid Active Power Filter To Alleviate The Harmonics of VSC-HVDC In OFF – SHORE Wind Farms .” International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.162- 169, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
- 16- SMH. Hosseini, H. Samadzadeh, J. Olamaei, M. Farsadi, “ SSR Mitigation With SSSC Thanks to Fuzzy Control, ” TURKISH JOURNAL OF ELECTRICAL GINEERING & COMPUTER SCIENCES, ( TUBITAK ) , Ankara- Turkey Code Number; ELK- 1203-21 Date of Acceptance: 11 September 2012 ( ISI & ISC Indexed Journal )

- 17- J. Khazaie, D. Nazarpour, M. Farsadi, M. Mokhtari, S. Badkubi, "Fault Current Limitation and Contraction of Voltage Dips Thanks to D- FACTS and FACTS Cooperation." Istanbul University Journal of Electrical and Electronics Engineering , ( IU- JEEE ) , PP. 1473 – 1481, Vol 12( 1 ) , 2012 ( Scopus Indexed Journal )
- 18 - M. Gholahmadi, M. Farsadi, "Classifying Three Types of Partial Discharges by Different Features using Different Strategies." International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.182- 190, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
- 19- H. Hosseini. M. Farsadi. M. Khalilpour. N. Razmjoooy. "Hybrid Energy Production system with PV Array and Wind Turbine and Pitch Angle Optimal Control By Genetic Algorithm ( GA )". Journal of Worlds Electrical Engineering and Technology ( J. World. Elect. Tech ) PP. 1-7, Issue 1 Volume 1 April 2012. ( ISC & Copernicus Indexed Journal )
- 20- M. Farsadi, A. Garashahrak, "DVR Combination With Photovoltaic for Improving The Operation of Wind Farm ." International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.67- 72, Issue 13, Volume 4, Number 4 , December 2012. ( ISC Indexed Journal)
- 21- H. Farshber, M. Farsadi. "Harmonic Elimination in Cascade Multicell Inverter using Novel SWPWM, SPWM, AND ISPWM." International Journal of Engineering Research and Application ( IJERA ) , PP. 594- 600, Vol. 3, Issue 1, January – February 2013 ( EBSCO and INDEX COPERNICUS JOURNAL )
- 22- M. Farsadi, A. Vafamehr, M. Farhadi Kangarlu, "Cascade Multilevel Converter Using Five – Level Power Cells." Australian Journal of Basic and Applied Sciences , Issue 4, Jan 2013 ( Indexed THOMSON REUTERS ISI and SCOPUS With SJR=0.162 Journal )
- 23- M. Farsadi. J. Mostafapour. E. Ogabi. "Restoration of Sudden Voltage Sags of A Sensitive Load In A Real Network Using DVR" International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.90- 94, Issue 15, Volume 5, Number 2 , June 2013. ( ISC Indexed Journal )
- 24- Kazem Farajzadeh, Murtaza Farsadi " The Impact of Charging Electric Vehicles on Power Distribution Network " International journal of scientific & Engineering Research, Volume 5, Issue 6, June- 2014 ( Copernicus Index Journal)

- 25- MAJID KHEZERLOO. MURTAZA FARSADI “ Optimal Capacitor Placement By Considering Substation Capacity Coast and Harmonic Frequencies Using Binary Particle SWARM Optimization ” Indian Journal of Scientific Research, Volume 4, Issue 5 , PP, 245-256 2014 ( Index Copernicus Journal )
- 26 -Y. Khanchupani. M. Farsadi. “ Power Factor Correction System Using of Vehicle Power Source Super Capacitor And Fuel Cell. ” International Journal of Academic Research, Vol. 6, No. 5 , 2014 ( ISI indexed Journal )
- 27- Mostafa Barzgar Keleshani. Murtaza Farsadi. “ New Structure of Photovoltaic System Applications With Maximum Power Tracking Ability.” International Journal of Power Electronics And Drive System. 2014 ( SCOPUS Indexed Journal )
- 28- Aziz Hashemi Habeshi. Daryoush Nazerpour. Morteza Farsadi. “ Dynamic Modeling and control of IDVR Through an Adaptive Fuzzy Logic Control and SVPWM. ” International Journal Of Current Life Sciences . 28 october 2014
- 29- Jafar Mostafapour. Murtaza Farsadi . Ibrahim Oghabi “ Improved Rotor Speed Brushless DC Motor Using Fuzzy Controller. ” Pinnacle Research Journals . February 2015 ( Scopus Indexed Journal )
- 30- Hossein Hosseini , Morteza Farsadi , Mohsen Khalilpour and Navid Razmjooy , “ Hybrid Energy Production System With PV Array and Wind Turbine and Pith Angle Optimal Control By Genetic Alghorithm.” Journal of World’s Electrical Engineering And Thecnology . volume 1, Issue 1, April- 2012 ( Copernicus Index Journal )
- 31- Saeed Rezaeian Merjani, Vahid Telavet, Murtaza Farsadi, “ SVC Placement In Unbalanced Distribution Network To Reduce The Neutral Line Current And ohmic Loss Using Intelligent Optimization Alghorithms.” IOSR. Journal Of Electricals And Electronics Engineering ( IOSR\_JEEE ) , Volume 10, Issue 4, Ver. 1 July- Aug 2015 ( Copernicus Index Journal )
- 32- Murtaza Farsadi, Arash Ghasemi, “ WAMS- Based SSR Damping Controller Design For FACTS Devices and Investigating Effects Of Communication Delays.” International journal of Power Electronics And Drive System ( IJPEDS ) Vol. 6, NO. 4, December

2015 . ( Scopus Indexed Journal )

- 33- Hammed Hosseinnia , Murtaza Farsai, “ Utilization Cat Swarm Optimization Algorithm For Selected Harmonic Elimination In Current Source Inverter”.  
International journal of Power Electronics And Drive System ( IJPEDS ) Vol. 6, NO. 4, December 2015 . ( Scopus Indexed Journal)
- 34- Jafar Mostefapour, Jafer Reshadet, Murtaza Farsadi, “ Improved Rotor Speed Brushless DC Motor Using Fuzzy Controller , ” Indonesian Journal of Electrical Engineering And Informatics ( IJEEI ), Vol. 3. NO. 2 , June 2015 ( scopus Indexed Journal )
- 35- Murtaza Farsadi, Monireh Ahmadi, “ Improving Power Quality With Reducing Output Harmonics For Electric Vehicle Applications By Using Bacteria Foraging Algorithm .” International Journal of Electric and Hybrid Electric Vehicles, Int. j. Electric and Hybrid Vehicles. Vol. 8. No. 1. 2016 ( Scopus Indexed Journal)
- 36- Amin Gholizad, Murtaza Farsadi, “ A Novel State of Charge Balancing Method using Improved Staircase Modulation of Multilevel Inverters. ”  
IEEE TRANSACTION ON INDUSTRIAL ELECTRONICS, Accepted May 11 2016  
( ISI Indexed Journal )
- 37- Chia Lailypour, Murtaza Farsadi, “ A new Structure For Sen Transformer Using Three Winding Linear Transformer. ” INTERNATIONAL JOURNAL OF POWER ELECTRONICS AND DRIVE SYSTEM( IJPEDS ) , Vol. 7. NO. 2. June2016  
( Scopus Indexed Journal )
- 38- Tohid Sattarpour, Murtaza Farsadi, “ Parking Lot Allocation With Maximum Economic Benefit in A distribution Network.” INTERNATIONAL TRANSACTION ON ELECTRICAL ENERGY SYSTEMS, Int. Trans. Electr. Syst. , 2016 ( ISI Indexed journal ) 2016 John Wiley & Sons
- 39- Murtaza Farsadi, Hadi Hossein Nejad, Tohid Sattarpour, “ Considering Practical Constraint Effect In Power Station Problems For Optimizing Power Generation By Comparison NGS- II and Nested PSO. ” ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, IU-JEEE, Vol. 16. No. 2. 2016 ( Scopus Indexed journal )



- 40- Amin Yazdani Nejad , Tohid Sattarpour, Morteza Farsadi, “ Simultaneously Optimal Placement And Operation Scheduling of BESS And DG In Distribution Networks In order To Minimizing Net Present Value To Power Loss , ” ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, IU-JEEEE, Vol. 16. No. 2. 2016 ( Scopus Indexed journal )
- 41- Murtaza Farsadi, Tohid Sattarpour, Hadi Hossein Nejad, “ Loss Reduction Benefit and Voltage Profile Improvement By Considering Demand Response And Capacitor.” ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, IU-JEEEE, Vol. 16. No. 2016 ( Scopus Indexed journal)
- 42- Farzad Mohemmadzadeh Shehir, Ebrahim Babaei, Murtaza Farsadi, “ A new Structure For Nonisolated Boost DC- DC Converter.” JOURNAL OF CIRCUIT SYSTEMS AND COMPUTERS, Vol. 26. No.1. September 2016 ( ISI Indexed journal )
- 43- H. Moggaddem Banayem, M. Farsadi “ Identification of Flicker Sources Location on Power Network” Tabriz university Journal of Electrical Engineering, Accepted, December 2017 ( ISC Indexed Journal )
- 44- M.Farsadi, M. Sabri, B. Vakili, A. Ghallaj, “ Protection Anti-Island Distribution System with Distributed Generation Based on The Analysis of State Transient Signals Optimization Algorithm-Based” Tabriz university Journal of Electrical Engineering, Accepted, February 2017 ( ISC Indexed Journal )
- 45- Kiyaresh. Azzizi, Murtaza. Farsadi, Mohammad. Farhadi kengerlu, “ Efficient Approach to LVRT Capability og DFIG Based Wind Turbines Under Symmetrical and Asymmetrical voltage Dips Using Dynamic voltage Restorer.” International Journal of Power Electronics and Drive Systems ( IJPEDS), PP 945-956, Vol8, No 2, June-2017( Scopus Indexed Journal )
- 46- M. Farsadi, M. Sabri, “ Electrical Vehicles Parking Optimal Allocation and Capacity Based On Grouping Optimal Harmonic, Losses and Voltage Profile Reduction by Using Intelligent Algorithms.”

International Journal of Electric and Hybrid Vehicles (IJEHV), 2017  
(Scopus Indexed Journal Under Review )

- 47- F.M. Shahir, E. Babaei, M. Farsadi, "Voltage-Lift Technique Based Non-isolated Boost DC-DC Converter: Analysis and Design"  
IEEE Transaction on Power Electronics, Date of publication, 17 August 2017,  
( ISI & Scopus Indexed Journal)
- 48- F. M. Shahir, E. Babaei, M. Farsadi, " Analysis and Design of Voltage-Lift Technique Based Non-isolated Boost DC-DC Converter."  
IET Power Electronics, 2017,  
( ISI & Scopus Indexed Journal Accepted )
- 49- M. Farsadi, O. Zareh, S. Galvani, "*Optimal Placement and Parameter Setting of SSSC In Power System In order To Increase Reliability.*" *Journal of Electrical Systems*, 2017, ( ISI & Scopus Indexed Journal Accepted )
- 50- M.B. Kalashani, M. Farsadi, " Symmetric and Hybrid Voltage Source Multilevel Inverter For Peer Review rter Based on Switching between Transistors and Bypass Diodes." Simulation: Transactions of the Society for Modeling and Simulation, 2017, ( ISI& Scopus Indexed Journal Under Review )
- 51- A. Yazdanejat, J. Jannati, M. Farsadi, " A New Formulation for Coordination of Directional Overcurrent Relays in Interconnected Networks for Better Miscoordination Suppression." TRANSACTIONS ON ELECTRICAL AND ELECTRONIC MATERIALS, Vol. 18, No. 3, pp. 169-175, June 25, 2017  
( Scopus Indexed Journal )
- 52- Hamed Hosseina, Murtaza Farsadi, " Effect of Reconfiguration and capacitor placement on Power Loss reduction And Voltage Profile Improvement." Transactions on Electrical and Electronic Materials, Accepted, June 2017 ( Scopus indexed Journal )

- 53- F.M. Shahir, E. Babaei, M. Farsadi, “ Generalized Topology of Non-Isolated Boost Converter. ” IEEE Transaction on Power Electronics, 2017 , Under Revision, ( ISI & Scopus indexed Journal )
- 54-Murtaza Farsadi, Kiyareh Azzizi, “ Enhancement of the Operation of Variable Speed PMSG Wind Generation System Using Improved Trans-Z-Source Inverter.” International Journal of Power Electronics and Drive Systems ( IJPEDS ), Accepted , 2017 ( Scopus indexed Journal )
- 55- F.M. Shahir, E. Babaei, M. Farsadi, "New Topology for Non-isolated Boost DC-DC Converter: Analysis and Design" Journal of Electrical Engineering & Technology, Accepted January 4, 2018 ( ISI & SCOPUS Indexed Journal )
- 56- F.M. Shahir, E. Babaei, M. Farsadi, “ Extended Topology for Boost DC-DC Converter ” IEEE Transaction on Power Electronics, Accepted 4-Apr-2018 , ( ISI & Scopus indexed Journal )
- 57- Monireh. Ahmedi, Murtaza Farsadi, “ Finding the optimal deployment and scheduling for electric vehicle charging and discharging stations with the help of metaheuristic algorithms” Turkish Journal of Electrical & Computer Engineering, Under Review June, 2018, ( ISI & Scopus indexed Journal )
- 58- Amin Gholizad, Murtaza Farsadi, “ Harmonic elimination and THD minimization of photovoltaics/fuel-cell connected cascaded multilevel inverters using synchronous optimal pulse width modulation” Turkish Journal of Electrical & Computer Engineering, Under Review July, 2018, ( ISI & Scopus indexed Journal )
- 59- Omid Zaree, Murtaza Farsadi, Sajjad Gelvani, “ A new approach for probabilistic assessment of distribution systems based on data clustering ” Turkish Journal of Electrical & Computer Engineering, Under Review July, 2018, ( ISI & Scopus indexed Journal )

My Latest conference papers :

- 1- M. Farsadi, O. Kalenderli, "Breakdown and Corona Inception Voltages In Non-Uniform Fields With Compressed  $SF_6$ ,  $N_2$  And  $SF_6 + N_2$  Gas Mixtures " 3<sup>rd</sup> Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion, IEE Hellas, Athens, Greece, November 4-6, 2002.
- 2- M. Farsadi, O. Kalenderli , " A New Method for Calculating of Electric Fields Around any Arbitrary shape electrode " XIII th International Symposium on High Voltage Engineering, PP.1-4, Netherlands 2003 – Congrex Holland BV.
- 3- M. Farsadi, O. Kalenderli, "Effect of Macroscopic Electrode Surface Roughness on Breakdown and Corona Inception Voltages in  $SF_6 + N_2$  Gas Mixtures" Third International Conference on Electrical and Electronics Engineering, PP. 222-225, December 2003 Bursa-Turkey.
- 4- M. Farsadi, O. Kalenderli, " A New Method for Calculating of Electric Fields Around Transmission Lines " 2<sup>nd</sup> International Conference on Technical and Physical Problems in Power Engineering , PP. 615-618, September 2004, Tebriz - Iran
- 8- O. Kalenderli, M. Farsadi, " The Relation Between The Polarity And Effective Discharge Region of The Lightning " 2<sup>nd</sup> International Conference on Technical and Physical Problems in Power Engineering , PP. 628-631, September 2004, Tebriz - Iran
- 9- M. Farsadi, O. Kalenderli, "A New Method for Calculating of Electric Fields Inside Any Arbitrary Shape Electrode Configuration " 5<sup>th</sup> International Conference on Electrical and Electronics Engineering, PP. 259-263, 6-10 December 2005 Bursa- Turkey.
- 10- M. Farsadi, O. Kalenderli, " A New Method for Calculating of Electric Fields Around or Inside Any Arbitrary Shape Electrode Configuration " 5<sup>th</sup> WSEAS International Conference on power systems And Electromagnetic Compatibility , PP. 423-428, Corfu, Greece, August 23-25, 2005
- 11- M. Farsadi, S.Bolat, O. Kalenderli, " Electrode Contour Optimization Using By Fuzzy Inference System " 3<sup>th</sup> International Conference on Technical and Physical Problems in Power Engineering , May 2006, Ankara - Turkey
- 12- M.Farsadi, O. Kalenderli, " Real-Time Power System Harmonics Detection with mobile monitoring System " 4<sup>th</sup> International Conference on Technical and Physical Problems in Power Engineering , TPE – 2008, 4- 6 September 2008, University of Pitesti , Pitesti - Romania
- 13- M.Farsadi, O. Kalenderli, " Design And Construction of An Objective Flicker Meter " 4<sup>th</sup> International Conference on Technical and Physical Problems in Power Engineering , TPE – 2008, 4- 6

September 2008, University of Pitesti , Pitesti - Romania

- 14- C. Elbirler , O. Kalenderli, M. Farsadi, " Numerical Analysis And Simulation of Electrical Discharge Path Under normal And specific Conditions " 4<sup>th</sup> International Conference on Technical and Physical Problems in Power Engineering , TPE – 2008, 4- 6 September 2008, University of Pitesti , Pitesti - Romania
  
- 15- E. Enferad, M. Farsadi, S. Enferad, " New Method for Converting Sea Wave Energy " 6<sup>th</sup> International Conference on Electrical And Electronics Engineering, PP. 44 – 48, ELECO – 2009, 5-8 November 2009, Bursa – Turkey , ( IEEE Index )
  
- 16- P. Fajri, M. Farsadi, D. Nazarpour, A. Tavighi, " A Novel Strategy for Controlling a Group of Distributed Static Series Compensators " 6<sup>th</sup> International Conference on Electrical And Electronics Engineering, PP. 119 – 123, ELECO – 2009, 5-8 November 2009, Bursa – Turkey , ( IEEE Index )
  
- 17- M. Farsadi, H. Golahmadi, H. shojaei, " Phasor Measurement Unit ( PMU ) Allocation in Power System With Different Algorithms “ 6<sup>th</sup> International Conference on Electrical And Electronics Engineering ,PP. 396 - 400, ELECO – 2009, 5-8 November 2009, Bursa – Turkey , ( IEEE Index )
  
- 18- M. Balaver, M. Farsadi, S. Tohidi, " Continuous Operation of Wind turbine With Doubly Fed Induction Generators ( DFIG ) By Using Energy Capacitor systems " 25<sup>th</sup> International Power System conference PSC 2010, Tehran – Iran
  
- 19- S. R. Ali, M. Farsadi, " Optimal Location And Effective of Different Diameter of Corona Ring Design On Voltage, Field Distribution " 6<sup>th</sup> International Conference on Technical and Physical Problems in Power Engineering , TPE – 2010, 14-16 September 2010, Tebriz – Iran
  
- 20 - M. Mokhtari, S. Golshannavaz, D. Nazerpour, M. Farsadi, " Control of An SVC for The Load Balancing And Power Factor Correction With a New Algorithm Based on The Power Analysis " The First Power Quality Conference , PQC 2010, 14 – 15 September 2010, Tehran - Iran , ( IEEE Index )
  
- 21- S. Gholshannavaz, M. Farsadi, D. Nazarpour, “ Low frequency oscillations damping by static synchronous series compensator equipped with an auxiliary fuzzy logic controller ” 19<sup>th</sup> Iranian Conference on electrical engineering , ICEE 2011, 17- 19 May 2011, Tehran- Iran, ( IEEE Index )
  
- 22- J Khazai, S, Badkubi, D, Nazarpour, M, Farsadi, “ Analysis and Improvement of Doubly Fed Induction Generator During Grid Voltage Faults, Technical and Physical Problems Of Power Engineering, ICTPE- 2011, 7- 9 July 2011, Lefkosa – TR Northern Cyprus, ( ISC Indexed )

- 23- A Sarijali, M. Farsadi, J. Khazaie, “ Using Branch and Bound Method for Optimal PMU Placement for Power System observe ability and using ANN to state estimation. ” Technical and Physical Problems Of Power Engineering, ICTPE- 2011, 7- 9 July 2011, Lefkosa – TR Northern Cyprus, ( ISC Indexed )
- 24- S Badkubi, J. Khazaie, M. Khalilyan, M. Mokhtari, M. Farsadi, “ A 3D Simulation Based on Finite Element Method for Composite Insulator Design.” Technical and Physical Problems Of Power Engineering, ICTPE- 2011, 7- 9 July 2011, Lefkosa – TR Northern Cyprus, ( ISC Indexed )
- 25 - J Khazaie, S. Badkubi, M. Mokhtari, M. Khalilyan, M. Farsadi, “ Evaluation of Electromagnetic Field on Distorted High Voltage Insulator String Using Finite element Method. ” Technical and Physical Problems Of Power Engineering, ICTPE-2011, 7- 9 July 2011, Lefkosa – TR Northern Cyprus, ( ISC Indexed )
- 26- Y. Pourahmadi, M. Farsadi, “ Simulation of PMSM Field Oriented Control for Fuel Cell Application Technical and Physical Problems Of Power Engineering, ICTPE-2011, 7- 9 July 2011, Lefkosa – TR Northern Cyprus, ( ISC Indexed )
- 27- H. Hosseini, M. Farsadi, M. Khalilpour, N. Razmjoooy , “ Hybrid Energy Production System With PV Array And Wind Turbine And Pith angle optimal control By Genetic Algorithm. ” 26<sup>th</sup> International Power System Conference, PSC- 2011 , 18- 24 October 2011, Tehran – Iran
- 28- J. Khazaie, D. Nazarpour, M. farsadi, M. Mokhtari, M. Khalilyan, S. Badkubi, “ Fault Current Limitation and Contraction of Voltage Dips Thanks to D-FACTS and FACTS Cooperation. ” 7th International Conference On Electrical and Electronics Engineering, ELECO 2011, 1- 4 December 2011, Bursa- Turkey. ( IEEE Indexed )
- 29- M. Farsadi, A. Garashehrek, F, Salehpour oskouyi, “ Photovoltaic Based DVR for Improving the Operation of Wind Farm, ”7th International Conference On Electrical and Electronics Engineering, ELECO 2011, 1- 4 December 2011, Bursa- Turkey. ( IEEE Indexed )
- 30- E. Enferad, M. Farsadi, S. Enferad, “ Application of PMSM for Electric Generation from Ocean Wave by EPEW. ” 7th International Conference On Electrical and Electronics Engineering, ELECO 2011, 1- 4 December 2011, Bursa- Turkey. ( IEEE Indexed )
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- 62- Murtaza Farsadi, Ferhad Nezeri Heris, Meysem Ferozki, “ A case Study for Reducing Electric Energy Consumption In Given Power System With Reconfiguration in The presence of Distributed Generation.” International Congress on Electric Industry Automation, February 2016, University Of Tabriz Tabriz- Iran
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- 83- M. Ahmedi, M. Farsad. “ Adaptive Protection Systems for Improving Protection of Transmission Lines.” 1<sup>st</sup> International Conference on Fundamental Research in Electrical Engineering, Tehran university, Iran- Tehran, July4, 2017
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My Latest Master of Science Thesis :

- 1- “ Stability improvement of power system optimal placement using UPFC of west Azerbaijan Network.”  
Jafar Mostefapour enzeli , 2013
- 2- “Improving Control Performance of Distribution Static Synchronous Compensator ( D\_STATCOM ) With Space Vector Modulation”. Ibrahim Oghabi. 2013
- 3- “ Optimal Placement of SSSC in Power System to Increase Reliability by The use of Intelligent Method”  
Omid Zare Seseler. 2014
- 4- “ Optimal Placement of UPFC in Power Systems To Enhance loadability Transmission Lines Using Intelligent Algorithms” . Mortaza Azadniya. 2014
- 5- “ Capacitor Placement in Distributed Networks of infected birds by harmonic algorithm approach to improve voltage profile and reduce losses”. Majid khezerloo. 2014
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Amin Nozohour gherebagh. 2014
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- 8- “ Design and Control Renewable Energy For Stationary Units ”. Amin Bahramifar . 2013
- 9- “ Improvement of The Performance of Inverter Connected to Renewable Energy Sources With a change in The Method of switching ”. Mohemmed Hossein Farrokhi. 2014
- 10- “ Analysis and Simulation of Multilevel Inverters Connected to Renewable Energy Sources ”.  
Saeed Homayi. 2014



- 11 - “ The Impact of Charging Electrical Vehicles on Power distribution Networks ”  
Kazem Farajzadeh . 2013
- 12 –“ Design And simulation of Dynamic Voltage Restorer ( DVR ) Based on Modular Multilevel Converter ( MMC ) ” . Ali Vefamehr . 2013
- 13- “ Harmonics Suppression and Power Quality Enhancement and Voltage Stability in Wind Farm Integrations to The Power System ”. Ali GharaShahrak . 2012
- 14- “ Application of UPFC Based on SVPWM for Power Quality Improvement ”.  
Yasin Poorahmadi. 2012
- 15- “ Compensation of Voltage Disturbance Using Dynamic Voltage Restorer ( DVR ) ”  
Saeed Sabernia. 2014
- 16- “ A Novel Switching Modulation Methods in Multilevel Inverter ”  
Hadi Farshber . 2013
- 17-“ Brushless DC Motor Drive Control For Electrical Vehicle and Proposing new Control Method ”  
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Behnam Emiri Jahed. 2014
- 19- “ Control and Protection of Power System With Phsor Measurement Unit ( PMU ) ”  
Amin Sarijali. 2011
- 20 – “ Using of Fact Devices In HVDC Transmission Lines for Communication Different Networks ”  
Karim Araszadeh . 2012
- 21 – “ Using PMU for Control The Power Quality ”  
Hadi Shojaei . 2011
- 22 – “ Cancellation of DC Transmission Line Current Harmonics in HVDC Transmission Systems ”  
Mehdi Hajibeigy. 2011
- 23- “ Application Facts Device on A Wind Farms for Power System Balancing and stability Margin Enhancement ” Mozhgan Balaver. 2010

- 24- “ Study and Investigation of Classic HVDC and VSC – HVDC and Proposed Control systems”  
Arash Allahyari. 2014
- 25- “ A novel Fuzzy Speed Controller for Improving Speed Controlling of Induction Machines torque – Speed Characteristics ” Kameran Ghaderi . 2014
- 26- “ Design and construction A Novel Power Factor Correction System By using Electrical and Hybrid Vehicle Power sources ”. Yashar Khanchupani. 2015
- 27- “ Design and Construction A novel Power Electronics Converter For Photovoltaic systems .”  
Mostafa Barzegar Kalashani. 2015
- 28- “ A New Method for Controlling Electrical Apparatus in Smart Building.”  
Nima Sefidian, 2015
- 29- “ Design and Simulation a Novel DC\_DC Converter With High Level Efficiency for Charging Electrical Vehicles,” Saideh Hagiloo , 2015
- 30- “ Investigation Effects of Electrical Vehicles in Distribution Systems”  
Resul Yekani, 2015
- 31- “ A new Method for Controlling Biomass Systems in Smart Grids ”  
Murtaza Mesoudi, 2015
- 32- “ Assessment and Optimal Location of PST transformer in Electricity Network Throughout Iran”  
Assad Ahmadi, 2015
- 33- “ Smart Reconfiguration in distribution Networks after fault inception in order to minimize fault impact and energy not Supplied” Ameneh Rohinejad, 2016
- 34- “ A Novel Control Method for Connection Power System with PV Sources to Diesel Generator Micro grids” Shehriyar Jeydi, 2016

- 35- “ Detection in Rush and Fault Currents in Power Transformer by using wave let Theory and fuzzy Logic Controller ” Amir Mojerred Gharabagh, 2016
- 36- “ Optimization of Micro Grid in Order To Power Quality Control In Local Electricity System ” Behnam Aslanzadeh, 2016
- 37- “Examination of the facts in the distribution system equipments of Urmia city” Mehdi Amrollahi Deviran, 2016
- 38- “Developing a Multilevel Voltage Source Inverter with Reduced Number of Switches” Darioush Bagherlou, 2016
- 39- “Control of UPFC & IPFC in power systems with distributed generations” Mohsen Hossein Zadeh, 2016
- 40- “ Voltage boost converter design with variable renewable sources ” Reza Rahimi, 2016
- 41- “ smart homes control in smart grids with renewable energy” Mensureh Golamzadeh, 2016
- 42- “ Investigation power Quality in power systems with distributed generation” Perisa Genizadeh Hesar, 2016
- 43- “ Application of high penetration solar farms as power system stabilizer” Babek Ghasemi, 2016
- 44- “ Analyzing the performance of Electric and Hybrid Electric Vehicles in Smart Grids” Chia Laily pour, 2017

- 45- “ Wide Area Measurement Based Damping Controller Design In Facts Devices for Damping Sub Synchronous Resonance”  
Aresh Ghasemi, 2017
- 46- “ Optimal Sizing and Sitting of Distributed Generation Resources With Possibility To Inject Reactive Power By Using Multi object Function ”  
Hadi Hossein nejad, 2017
- 47- “ Study Impact of Coordination the Scheduling of Multiple PEV Charging Stations For Improved Load Profile , Loss Minimization And Voltage Deviation ”  
Mehzad Gheybi, 2017
- 48- “ Energy Management of Hybrid Electrical Vehicles Using Renewable Energy Sources”  
Sadegh Dresti, 2017
- 49- “ Optimization Charging Station Placement in Smart Grids With Different Distribution Generators. ” Ghader Alizadeh, 2017
- 50- “ Smart Control of Different Electrical Parts in Electrical and Hybrid Electrical Vehicles.”  
Mehrab Taghizadeh. 2017
- 51- “ Control of Smart Home in Smart Grids.” Gholamzadeh. 2017
- 52- “ Control of charging station for electrical vehicles in Micro grids”. Shahin Ghaffari,  
September, 2017
- 53- “ Optimization the performance of smart micro grids with various electrical storage Systems.” Mhemmed reza Moherrebi, September 2017
- 54- “ Investigation charge and discharge of Electrical Vehicles with respect to load Forcasting in a Aggregative Area.” Armin Kheyri, January 2018

My Latest Ph.D Thesis:

- 1- “Optimal allocation of charging stations of electric vehicles and distributed energy resources in the micro grid”, Monireh Ahmedi , 2017
  
- 2- “Optimal Roboust Operation of Smart Distribution Systems with Renewable Generations”  
Omid Zareh Seseler, 2017
  
- 3- “ Consensus-Based Energy Management in Smart Grid ”  
Mohemmed reza Ferzinniya, 2017
  
- 4- “ Investigation Electrical Springs in Smart Distribution Systems”  
Mostefa Berzger Keleshani, 2017

My Published Book :

- 1- “Hybrid and Electrical Vehicle Analysis With Advisor Software” Urmia Azad University  
Publication, March 2017  
Murtaza Farsadi, Hadi Hosseinnejad

- 2- “ Design of Smart Power Grid Renewable Energy Systems ”  
Translation by Murtaza Farsadi,

Reviewer Following Outstanding Journals:

- 1- IET, Renewable Power Generation
- 2- International Transaction On Electric Engineering Systems, Wiley Online (ETEP )
- 3- Electric Power Components and Systems, ( Taylor & Francis )
- 4- Journal of Electrical Engineering ( Tabriz University )
- 5- Journal of Operational & Automation in Power Engineering
- 6- International journal on Technical and Physical Problem Of Engineering
- 7- Iranian Journal of Electrical and Electronic Engineering ( Iran University of Science And Technology )

\*\* The names & addresses of my referees will be forwarded if required \*\*