

Dr. Muhammad Mohsin Aman

Associate Professor NED University of Engineering and Technology, Karachi, Pakistan

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mohsinaman@gmail.com

Brief Biography:

Dr. Muhammad Mohsin Aman was born in Karachi, Pakistan. He has received his B. Engg. (Bachelors) in Electrical Engineering and M. Engg. (Masters) from NED University, Pakistan in year 2006 and 2011. He has completed his Doctor of Philosophy (Ph.D.) degree from University of Malaya in 2014, under the Bright Spark Scholarship Programme (BSP) of University Malaya. Currently, he is working as an Associate Professor in Electrical Engineering Department of NED University, Pakistan since August 2017. He joined NED University as a Lecturer in May 2007. During 2009-2010, he has established (installation, testing and commissioning) Electrical Power System Laboratory in NED University, Pakistan. The lab is very well equipped with latest power system modules and power system software. In University of Malaya, he has also worked as a lab demonstrator during his PhD. He has more than 30 different publications in various international journals and conferences. He is also a member of IEEE society and Pakistan Engineering Council (PEC).

Research Fields:

- Load Flow Analysis for transmission and distribution system
- Power system protection including relay modeling for their performance enhancement
- Voltage stability analysis of distribution system
- Optimum Distributed Generator (DG) placement
- Developing new optimization techniques
- Reactive power management in restructured power system
- Estimation of renewable energy potential
- Energy conservation through lighting audit

Courses Taught

At Under-Graduate Level

1. Electrical Machines
2. Electrical Power Distribution and Utilization
3. Electrical Power System Protection
4. Introduction to C-Language

At Post-graduate Level

1. Computational Methods in Power System Analysis
2. Electrical Power Distribution System Engineering
3. Advance Electrical Power System Protection

Academics Details (Summary)

- **Doctor of Philosophy (Ph.D)**, March 2011 to September 2014 from Electrical Engineering Department, University of Malaya, Kuala Lumpur, Malaysia.
- **Masters of Engineering (Electrical Power Systems)**, From Jan 2008 to June 2010, achieved CGPA 4.0 out of 4.0 from Electrical Engineering Department, NED University of Engineering & Technology, Karachi, Pakistan
- **Bachelor of Engineering (Electrical Engineering)**, From Jan 2003 to Dec 2006 with distinction, secured 81%age (A-1 grade) from Department of Electrical Engineering, NED University of Engineering & Technology, Karachi, Pakistan
- **Higher Secondary Education (Pre-Engineering)**, June 2000 to June 2002 with A-1 Grade, secured 81%age from Adamjee Government Science College, Karachi, Pakistan
- **Secondary School Certificate (Science)**, with A-1 Grade, secured 87%age from Shaheen Secondary School, Karachi, Pakistan

Professional Experience (Summary):

- **Associate Professor:** From 13th July 2017 to date in Department of Electrical Engineering, NED University of Engineering & Technology, Karachi, Pakistan.
- **Assistant Professor:** Since Feb 2015 to 12th July 2017 in Department of Electrical Engineering, NED University of Engineering & Technology, Karachi, Pakistan.
- **Research Assistant:** From April 2014 to Jan 2015 in Electrical Engineering Department, University of Malaya, Kuala Lumpur, Malaysia under the High Impact Research (HIR) grant.
- **PhD Scholar** in the Department of Electrical Engineering, University of Malaya, Kuala Lumpur, from March 2011 to Oct 2014. PhD programme was fully funded including tuition fees and living expenditures under the **Bright Spark Scholarship Programme** of University of Malaya. During PhD, IPPP Grant of 8,500 USD was also awarded on the basis of research proposal to carry out the research.
- **Lecturer:** From 5th May 2007 to Feb 2015 in the Department of Electrical Engineering, NED University of Engineering & Technology, Karachi, Pakistan.
- **O & M Engineer** in Mobiserve (Mobilink Telecom) Pakistan from March 2007 to May 2007. Responsibilities: Maintenance of Mobile Switching Center (MSC) equipment, ensure continuity of supply.
- **Application Engineer** in S.M. Jaffer & Co. from Jan 2007 to March 2007. Responsibilities: Preparing quotations, Technical Analysis of Tender

Publications

Journal Publications

Note: Quartile (Q) and Impact Factor of the journals are taken from Journal Citation Reports of Thomson Reuters ® when the paper got published.

(2017)

1. J. J. Jamian, **M. M. Aman**, M. A. Baharuddin, A. S. Mokhtar, M. N. Abdullah "Minimizing Reverse Current Flow in Distribution Network via Optimal Network Reconfiguration" in *Turkish Journal of Electrical Engineering & Computer Sciences* (Accepted -- in press). Available online: 23.12.2016. DOI: 10.3906/elk-1603-174 (ISI-Cited Q3 Publication, IF=0.518).
2. G. I. Koong, H. Mokhlis, J. J. Jamian, H. A. Illias, W. M. Dahalan, and **M. M. Aman**, "Simultaneous Network Reconfiguration with Distributed Generation Sizing and Tap Changer Adjustment for Power Loss Reduction Using Imperialist Competitive Algorithm," *Arabian Journal for Science and Engineering*, pp. 1-14, September 20 2017 (ISI-Cited Q3 Publication, IF=0.865).

(2016)

3. **M. M. Aman**, G.B. Jasmon, A.H.A. Bakar, H. Mokhlis & K. Naidu , "Optimum Tie Switches Allocation and DG Placement Based On Maximization of System Loadability Using Discrete Artificial Bee Colony (DABC) Algorithm." in *IET Generation, Transmission & Distribution*, Volume 10, Issue 10, 07 July 2016, p. 2277 – 2284. DOI: 10.1049/iet-gtd.2015.0303 (ISI-Cited Q1 Publication, IF=1.353).
4. **M. M. Aman**, G.B. Jasmon, A.H.A. Bakar, H. Mokhlis & K. Naidu , "Graph Theory based Radial Load Flow Analysis to solve the dynamic network reconfiguration problem" in *International Transactions on Electrical Energy Systems*, Volume 26, Issue 4, pp. 783-808, April 2016 (ISI-Cited Q2 Publication, IF=1.084).
5. U. Sultana, Azhar B. Khairuddin, **M. M. Aman**, A. S. Mokhtar, N.Zareen "A review of optimum DG placement based on minimization of power losses and voltage stability enhancement of distribution system" *Renewable and Sustainable Energy Reviews*, Volume 63, Issue ,September 2016, Pages 363–378 (ISI-Cited Q1 Publication, IF=5.627).

(2015)

6. **M. M. Aman**, K.H. Solangi, M.S. Hossain, A. Badarudin, G.B. Jasmon, H. Mokhlis, A.H.A. Bakar, S.N Kazi, "A review of Safety, Health and Environmental (SHE) issues of solar energy system", *Renewable and Sustainable Energy Reviews*, Volume 41, January 2015, Pages 1190-1204 (ISI-Cited Q1 Publication, IF=5.627).
7. K. H. Solangi, R. Saidur, M. R. Luhur, **M. M. Aman**, A. Badarudin, S. N. Kazi, et al., "Social acceptance of solar energy in Malaysia: users' perspective," *Clean Technologies and Environmental Policy*, pp. 1-12, 2015/02/17, 2015 (ISI-Cited Q1 Publication, IF=1.671).
8. M. Othman, T. Rahman, H. Mokhlis, and **M. M. Aman**, "Solving Unit Commitment Problem Using Multi-agent Evolutionary Programming Incorporating Priority List," *Arabian Journal for Science and Engineering*, vol. 40, pp. 3247-3261, 2015 (ISI-Cited Q1 Publication, IF=1.671).
9. H. Mokhlis, H. A. Illias, J. J. Jamian, and **M. M. Aman**, "Optimal Daily Configuration of a Distribution Network Based on Photovoltaic Generation and System Loading Using

Imperialist Competitive Algorithm and Selection Approach," in Applied Mechanics and Materials, 2015, pp. 541-545 (Scopus-Cited Publication).

10. K. G. Ing, H. Mokhlis, H. Illias, **M. M. Aman**, J. Jamian, and M. Hu, "Gravitational Search Algorithm and Selection Approach for Optimal Distribution Network Configuration Based on Daily Photovoltaic and Loading Variation," Journal of Applied Mathematics, vol. 501, p. 894758, 2015 (Scopus-Cited Publication).

(2014)

11. **M. M. Aman**, G.B. Jasmon, H. Mokhlis, & A.H.A. Bakar, "A New Approach for Optimum Simultaneous Multi-DG units Placement and Sizing Based on Maximization of System Loadability using Hybrid Particle Swarm Optimization (HPSO) Algorithm", *Energy Journal*, Vol. 66, No. 1, Pages 202-215, March 2014 (*ISI-Cited Q1 Publication, IF=3.651*).
12. **M. M. Aman**, G.B. Jasmon, H. Mokhlis, A.H.A. Bakar & M. Karimi, "Optimum shunt capacitor placement in distribution system—A review and comparative study", *Renewable and Sustainable Energy Reviews*, Vol. 30, February 2014, Pages 429–439 (*ISI-Cited Q1 Publication, IF=5.627*).
13. **M. M. Aman**, G.B. Jasmon, H. Mokhlis, & A.H.A. Bakar, "Optimum Network Reconfiguration Based on Maximization of System Loadability using Continuation Power Flow Theorem", *International Journal of Electrical Power & Energy Systems*, Vol. 54, January 2014, Pages 123–133 (*ISI-Cited Q1 Publication, IF=3.432*).

(2013)

14. **M.M. Aman**, G.B. Jasmon, A. Ghufuran, A.H.A. Bakar, H. Mokhlis, "Investigating possible wind energy potential to meet the power shortage in Karachi", *Renewable and Sustainable Energy Reviews*, Vol. 18, Pages 528-542, February 2013 (*ISI-Cited Q1 Publication, IF=6.018*).
15. **M.M. Aman**, G.B. Jasmon, H. Mokhlis, A.H.A. Bakar, "Analysis of the performance of domestic lighting lamps", *Energy Policy*, Vol. 52, Pages 482-500, January 2013 (*ISI-Cited Q1 Publication, IF=2.723*).
16. **M.M. Aman**, G. B. Jasmon, A. H. A. Bakar & H. Mokhlis, "A new approach for optimum DG placement and sizing based on voltage stability maximization and minimization of power losses", *Energy Conversion and Management*, Vol. 70, Pages 202-210, June 2013 (*ISI-Cited Q1 Publication, IF=2.775*).
17. J. J. Jamian, **M. M. Aman**, M. W. Mustafa, G. B. Jasmon, H. Mokhlis & A.H.A. Bakar, "Comparative Study on Optimum DG Placement for Distribution Network", PRZEGLAD ELEKTROTECHNICZNY, Vol. 2013, No 3a, Pages 199-205 (*Scopus-Cited Publication*).
18. **M. M. Aman**, G. B. Jasmon, K. H. Solangi, A. H. A. Bakar, and H. Mokhlis, "Optimum Simultaneous DG and Capacitor Placement on the Basis of Minimization of Power Losses," *International Journal of Computer and Electrical Engineering*, Vol. 5, No. 5, Pages 516-522, October 2013 (*Google Scholar, Non ISI-Cited Publication*).

(2012)

19. **M. M. Aman**, G.B. Jasmon, H. Mokhlis, & A.H.A. Bakar, "Optimal placement and sizing of a DG based on a new power stability index and line losses", *International Journal of Electrical Power & Energy Systems*, Vol. 43, No. 1, Pages 1296-1304, December 2012 (*ISI-Cited Q1 Publication, IF=2.212*).

20. **M.M. Aman**, G.B.Jasmon, A.H.A.Bakar, "Optimum Capacitor Placement and Sizing for Distribution System Based on an Improved Voltage Stability Index", *International Review of Electrical Engineering (IREE)*, Vol.7, No.3, Pages 4622-4630, Part b, May-June 2012 (**ISI-Cited Q2 Publication, IF=1.364**).
21. K. H. Solangi, **M.M. Aman**, N. A. Rahim, H. Fayaz & M. R. Islam, "Present Solar Energy Potential and Strategies in China", *International Journal of Environmental Science and Development*, Vol. 3, No. 5, Pages 507-510, October 2012 (**Scopus-Cited Publication**).
22. A. Shahriari, H. Mokhlis, A. H. A. Bakar, M. Karimi & **M. M. Aman**, "The non-divergence Newton-based Load Flow Method in Ill Conditioned system", *International Journal of Scientific & Engineering Research*, Vol. 3, No. 6, Pages 1-6, June 2012 (**Scopus-Cited Publication**).

(2011)

23. **M. M. Aman**, Q. A. Khan & S. A. Qazi, "Digital Directional and Non-Directional Over Current Relays: Modelling and Performance Analysis", *NED University Journal of Research*, Vol. 8 No. 2, Pages 70-85, December 2011 (**HEC Recognized Journal**).

Conference Proceedings:

(2017)

24. A Zahid, TN Gondal, N Ali, M Umair, **MM Aman**, "Hardware Implementation Of Non Directional Over Current Relay on Arduino®", In: 2nd ICEE, 2017.

(2014)

25. **M. M. Aman**, G. B. Jasmon, K. Naidu, A. H. A. Bakar & H. Mokhlis, "Discrete Artificial Bee Colony (DABC) algorithm for solving network reconfiguration problem", In: *3rd IET International Conference on Clean Energy and Technology, 2014*.
26. **M. M. Aman**, A. H. A. Bakar & N. Arshad, "Analysis of the Performance of Compact Fluorescent Lamp and Linear Fluorescent Lamp", In: *3rd IET International Conference on Clean Energy and Technology, 2014*.
27. J. Qureshi, R. Hasan, M. S. Khan, Y. Tanveer, W. A. Qureshi, A. Abbas & **M. M. Aman**, "Smart Electricity Demand Side Controller", In: *3rd IET International Conference on Clean Energy and Technology, 2014*.

(2013)

28. **M. M. Aman**, G. B. Jasmon, K. Naidu, A. H. A. Bakar & H. Mokhlis (2013, April). "Discrete Evolutionary Programming to Solve Network Reconfiguration Problem". In: *IEEE TENCON Spring 2013 Conference in Sydney Australia (TENCON 2013), Pages 541-545, Date of Conference: 17-19 April 2013, Conference Location: Sydney (Australia)*.
29. K. H. Solangi, A. Badarudin, S. N. Kazi, T. N. W. Lwin, **M. M. Aman** (2013, April). "Public acceptance of solar energy: The case of Peninsular Malaysia". In: *IEEE TENCON Spring 2013 Conference in Sydney Australia (TENCON 2013), Pages 540-543, Date of Conference: 17-19 April 2013, Conference Location: Sydney (Australia)*.
30. **M. M. Aman**, K. H. Solangi, A. Badaruddin & S. N. Kazi (2013, July), "A comparative study of Electricity Situation in Bangladesh, India, Malaysia and Pakistan" In: *International Conference on Mechanical, Automotive and Aerospace Engineering 2013 (ICMAAE '13), Conference Location: Kuala Lumpur (Malaysia)*.

(2012)

31. J. J. Jamian, **M. M. Aman**, M. W. Mustafa, G. B. Jasmon, H. Mokhlis, A. H. A. Bakar & M. N. Abdullah (2012, September). "Optimum multi DG units placement and sizing based on voltage stability index and PSO". In: *IEEE 47th International Universities Power Engineering Conference (UPEC 2012)*, Pages 1-6, Date of Conference: 4-7 September 2012, Conference Location: London (UK).
32. M. N. Abdullah, A. H. A. Bakar, N. A. Rahim, J. J. Jamian, **M. M. Aman** (2012, September). "Economic dispatch with valve point effect using iteration particle swarm optimization". In: *IEEE 47th International Universities Power Engineering Conference (UPEC 2012)*, Pages 1-6, Date of Conference: 4-7 September 2012, Conference Location: London (UK).
33. **M. M. Aman**, G.B. Jasmon, Q. A. Khan, A.H.A. Bakar & M. N. Abdullah (2012, June), "Modeling and simulation of digital negative sequence relay for unbalanced protection of generator", In: *IEEE Power Engineering and Optimization Conference (PEOCO 2012)*, Pages 72-77, Date of Conference: 6-7 June 2012, Conference Location: Melaka (Malaysia).
34. **M. M. Aman**, G. B. Jasmon, Q. A. Khan, A. H. A. Bakar & J. J. Jamian (2012, June), "Modeling and simulation of reverse power relay for generator protection". In: *IEEE Power Engineering and Optimization Conference (PEOCO 2012)*, Pages 317-322, Date of Conference: 6-7 June 2012, Conference Location: Melaka (Malaysia).
35. M. Karimi, H. Mokhlis, A. H. A. Bakar, J. A. Laghari & **M. M. Aman** (2012, June), "Combination of adaptive and intelligent load shedding techniques for distribution network". In: *IEEE Power Engineering and Optimization Conference (PEOCO 2012)*, Pages 57-61, Date of Conference: 6-7 June 2012, Conference Location: Melaka (Malaysia).
36. M. S. Ali, A. H. A. Bakar, H. Mokhlis, H. Aroff, H. A. Illias & **M. M. Aman** (2012, June), "High impedance fault localization in a distribution network using the discrete wavelet transform," In *IEEE Power Engineering and Optimization Conference (PEOCO 2012)*, Pages 349-354, Date of Conference: 6-7 June 2012, Conference Location: Melaka (Malaysia).
37. **M. M. Aman**, G. B. Jasmon, H. Mokhlis, Q. A. Khan, A. H. A. Bakar & M. Karimi (2012, December), Modeling and simulation of digital frequency relay for generator protection. In: *IEEE International Conference on Power and Energy (PECon-2012)*, Pages 701-706, Date of Conference: 2-5 December 2012, Conference Location: Kota Kinabalu (Malaysia).
38. J. J. Jamian, M. W. Mustafa, Z. Muda, H. Mokhlis & **M. M. Aman** (2012, December), "Effect of load models on Battery-Switching Station allocation in distribution network". In: *IEEE International Conference on Power and Energy (PECon-2012)*, Pages 189-193, Date of Conference: 2-5 December 2012, Conference Location: Kota Kinabalu (Malaysia).
39. M. U. Khalid, M. Gul, **M. M. Aman** & A. Hashmi (2012, December), "Energy conservation through lighting audit". In: *IEEE International Conference on Power and Energy (PECon-2012)*, Pages 840-845, Date of Conference: 2-5 December 2012, Conference Location: Kota Kinabalu (Malaysia).

(2011)

40. **M. M. Aman**, G. B. Jasmon, A. Ghufuran, M. A. Nawaz & M. Raza (2011, December). "Fast stability achievement through fuzzy logic based non-linear excitation control of synchronous generator". In *IEEE Colloquium on Humanities, Science and Engineering (CHUSER-2011)*, Pages 431-436, Date of Conference: 5-6 December 2011, Conference Location: Penang (Malaysia).

Teaching Experience:

Associate Professor/ Assistant Professor/Lecturer in Department of Electrical Engineering, NED University of Engineering & Technology, Karachi, Pakistan Since May 2007.

- Have taught the following courses at undergraduate/Postgraduate level.
 - Electrical Machines
 - Electrical Power Distribution and Utilization
 - Electrical Power System Protection
 - Introduction to C-Language
- Demonstrated practical of
 - Electrical Machines
 - Electrical Power Distribution and Utilization
 - Electrical Power System Protection
 - Electrical Drives.
 - Introduction to C-Language.
- Have written the workbooks of
 - Electrical Power Distribution & Utilization
 - Electrical Machines,
 - Power System Analysis.
 - Electrical Drives
 - Introduction to C-Language.

(All workbooks can be seen on NED University website).

Other Administrative Responsibilities Performed (From 2007 to date)

- Look after charge of Chairman Electrical Department, from 28 Dec-2016 to 30-Dec-2016.
- Member of Post Graduate Admission Committee in Department of Electrical Engineering, NED University.
- Member of Master of PhD Admission Committee in Department of Electrical Engineering, NED University.
- Member Board of Faculty (BoF) in Department of Electrical Engineering, NED University.
- Member Board of Studies (BoS) in Department of Electrical Engineering, NED University
- Member Board of Studies (BoS) as Power System Expert for Department of Electrical Engineering, in Usman Institute of Technology
- **Supervised** Installation/Testing/Commissioning of Electrical Power System Laboratory in Electrical Engineering department. Actively involved in procurement of different laboratory items.
- Lab Coordinator of Electrical Power System Laboratory from 2010-2011.
- Class Advisor of Third year Electrical Engineering Department, NED University from 2009-2011.
- Ag. IT Manager in Electrical Engineering Department of NED University from June 2007 to September 2007.

SUPERVISION OF RESEARCH PROJECTS

(2017-Ongoing)

- Master's Degree, Dissertation of Nine (09) credit hours, Hiba Kamal Zuberi, "Modeling And Performance Analysis of Percentage Differential and Volts/Hertz Relay on MATLAB/Simulink®, 2015/2016 (Status: Incomplete).
- Master's Degree, Dissertation of Nine (09) credit hours, Hafiz Talha Javed Soleja, " Multi objective optimization of two area interconnected power system using optimization technique for load frequency control", 2015/2016 (Status: Incomplete).
- Master's Degree, Dissertation of Nine (09) credit hours, Muhammad Arshad, "To propose a new load shedding technique based on frequency and voltage stability ", 2015/2016 (Status: Incomplete).

(2016-Completed)

- Master's Degree, Mohammad Hossein Rahimnezhad, Modeling And Simulation of Distance Relay in Simulink/Matlab®, 2015/2016.
- Master's Degree, Jahangir Hasan, Harmonic Analysis of DC Loads and Design of Harmonic Trap Filter, 2015/2016.

Research Seminars and Workshops Conducted/Attended

(2015)

- Guest Speaker in a one day workshop on "Project Management" in DHA Suffa University Karachi.
- Conducted one day workshop on Importance of Time Management and My Experiences in Department of Electrical Engineering, Faculty of Engineering, University of Malaya, Malaysia.

(2014)

- Conducted a 5 days' workshop on Power System Blackouts & Restoration: Causes, Prevention, Automatic Protection Schemes, Graphic Disp in Traders Hotel, Kuala Lumpur Malaysia.
- Guest Speaker and presented my research in Lahore University of Management Sciences (LUMS), Pakistan on the topic of "Comparison of General Lighting Service Lamps".
- Conducted a 1 day workshop on "How to do research" in Faculty of Engineering, University of Malaya, Malaysia.
- Guest Speaker and presented my research in DHA Suffa University, Pakistan on the topic of "Where lighting system is standing".

(2013)

- Conducted 4 weeks hands-on MATLAB training on "Radial Load Flow Analysis" on MATLAB in NED University, Pakistan.
- Attended 2 weeks training workshop on "Real Time Digital Simulator (RTDS)" in University of Malaya, Malaysia.
- Attended 3 days' workshop on "SPSS software" in University of Malaya, Malaysia.

(2012)

- Attended 1 day workshop on "Writing Technical Papers" in University of Malaya, Malaysia.

(2011)

- Attended "Research Up-skill Program" for Bright Sparks Candidates in University of Malaya, Malaysia. The workshop covered the following topics:
 - ✓ How to develop and publish a critical review article
 - ✓ How to write a scientific article
 - ✓ Writing a scientific article
- Attended 15 days' workshop on "Time Management" in NED University, Pakistan.
- Conducted 1 day Training workshop on "Plagiarism desktop software "Viper" and web-based Software "Turnitin" to the faculty of Electrical Engineering, in NED University, Pakistan.

(2010)

- Attended 3 days' workshop on "Duties and Responsibilities of Class Advisors" in NED University, Pakistan.
- Conducted Training on "etap7.0 --Power System Simulation Software" in NED University, Pakistan.
- Attended 2 days training workshop on Research Skills in NED University, Pakistan.

(2009)

- Attended Training on Plagiarism Software -- Turnitin in NED University, Pakistan.

(2008)

- Attended 3 days training workshop on "Presentation Skills" in NED University, Pakistan.

(2007)

- Attended 1 day training workshop on using "Digital Library Resources" in NED University, Pakistan.

(2006)

- Attended 1 day seminar on "Electrical Energy Conservation & Alternate Sources", held by Institution of Engineers Pakistan (IEP) on August 26th 2006 in Karachi Pakistan.

Professional Affiliation

- Member IEEE – Member ID 90808944
- Member of Pakistan Engineering Council (Registration No: ELECT/22697)
- Peer Reviewer of International Journals including
 - International Journal of Electrical Power & Energy Systems (Elsevier Journal)
 - Electric Power Components and System (Taylor & Francis Journal)
 - Renewable and Sustainable Energy Reviews (Elsevier Journal)
 - Journal of Cleaner Production (Elsevier Journal)
 - Energy Conversion and Management (Elsevier Journal)
 - International Transactions on Electrical Energy Systems
- Peer Reviewer of International Conferences including
 - IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2011/2012)

- IEEE Power Engineering and Optimization Conference (PEOCO 2012/2013)
- IEEE Power and Energy Conference (PECON 2012/2013)

Scholarships, Honors, Awards & other Activities

- Board of Faculty (BoF) Member in Department of Electrical Engineering, NED University (nomination send).
- Board of Studies (BoS) Member in Department of Electrical Engineering, NED University
- Board of Studies (BoS) Member as Power System Expert for Department of Electrical Engineering, in Usman Institute of Technology
- National Curiculum Revision Committee (NCRC) member of power system group.
- 2017 - Attended National Curiculum Revision Committee (NCRC) form 17th-19th July 2017 in Lahore.
- 2017 - Attended National Curiculum Revision Committee (NCRC) form 27th-29th March 2017 in Peshawar.
- 2017 - Conference Co-Chair in 2nd International Electrical Engineering Conference On 19th & 20th May, 2017, at IEP Karachi "INNOVATION & ADVANCES IN ELECTRICAL ENGINEERING" IIEEC-2017.
- 2014 - Organized 3rd IET International Conference on Clean Energy and Technology under UM Power Energy Dedicated Advanced Centre (UMPEDAC).
- 2014 - Track Chair in 3rd IET International Conference on Clean Energy and Technology under UM Power Energy Dedicated Advanced Centre (UMPEDAC).
- 2013 - Session Chair in IEEE TENCON Spring Conference held in Sydney, Australia from 17-19 April 2013.
- 2012 - Received IPPP Grant, having worth of 8,500 USD from University of Malaya, Kuala Lumpur, Malaysia on the basis of research proposal at PhD level.
- 2011 – Got fully funded PhD scholarship under the Bright Spark Scholarship Programme (BSP) of University of Malaya, Kuala Lumpur, Malaysia.
- 2007-2011 - Member Standard Development Working Group of Pakistan Standard Quality and Control Authority (PSQCA).
- 2010 - Got 4.0 CGPA out 4.0 in Masters of Engineering (Power System) Exam.
- 2008 - Masters Scholarship from NED University for Masters of Engineering Programme.
- 2006 - Got distinction in essay competition held among the students of Pakistan.
- 2003 - 2006 Awarded Bhai Mian Scholarship for 4 years Undergraduate Programme.
- 2003 - Awarded Merit Scholarship from Sindh University Jamshoro in HSC Examination.

Personal Data

Passport/Nationality:	Pakistani
Date of Birth:	July 27 th , 1984
Marital Status:	Married

References

(Tan Sri) Prof. Dr. Ghauth Bin Jasmon

Professor,

Ex- Vice Chancellor (2008-2013), University of Malaya, Kuala Lumpur, Malaysia.

Founder (Ex-) President/CEO (1996-2007),

Multimedia University (MMU), Kuala Lumpur, Malaysia.

Dr. Hazlie Mokhlis

Professor,

Department of Electrical Engineering, Faculty of Engineering,

University of Malaya, Kuala Lumpur, Malaysia.

Dr. Ab Halim Abu Bakar

Professor,

UM Power Energy Dedicated Advanced Centre (UMPEDAC)

University of Malaya, Kuala Lumpur, Malaysia.

Prof. Dr. Saad Ahmed Qazi

Professor,

Dean (Electrical and Computer Engineering),

NED University, Karachi, Pakistan.

Dr. Muhammad Ali Memon

Chairman

Electrical Engineering Department,

NED University, Karachi, Pakistan.

(☐ Detailed references can be furnished, if required).

