

DR. SAJID BASHIR

OBJECTIVE: VISITING PROFESSOR IN ELECTRICAL ENGINEERING DEPT.

EXPERIENCE:

Since 1996 to date:

- Working in a public sector Research and Development (R&D) organization..
- Started Career as Assistant Manager (BPS-17)
- Presently working as Deputy Chief Manager (BPS-20) in the same organization.
- From 2002 to 2006 Training of Fresh Officers of BPS-17 and above.
- From 2010 to 2013 Head of Technical trainings
- In addition also served in the following institutes as part time faculty member:

2000-2002: BCS Courses; CIT, Allama Iqbal Open University, Karachi

2003-2006: BE/B.Sc (Electronics): RIT, Mohyuddin Islamic University, Rawalpindi.

2004-2006: BE (Telecom): SSIT (SS CARE), AJK University, Islamabad.

2007-2008: BE (Telecom): Iqra University Karachi (As Assistant Professor)

2009: "Grade Progression Scheme Training for Officers" in KESC

2010-2013: Head of technical trainings in Public Sector

2013-2021: Research Fellow at CEME NUST Islamabad

2021-2025: External Member of GEC for a PhD Research at MCS NUST

EDUCATION

1988-1993: B.E. (Electrical Engineering), NED, University, Karachi.

1994-1996: M.Sc. (Nuclear Engg.), CNS (PIEAS) Quaid-e-Azam, University, Islamabad.

2010: Certification in Professional Health Safety and Environment (HSE)

2013-2022: Ph.D (Electrical Engineering), CEME, NUST, Islamabad

COMPUTER SKILLS:

MS-Word, MS-Power Point, MS-Excel, MATLAB, SPSS, COSMOS, KLEIDAGRAPH, ORIGIN, FORTRAN, C-LANGUAGE, ASSEMBLY-8088

PROFESSIONS MEMBERSHIPS:

1. Professional Engineer in Pakistan Engineering Council (PEC) [LM: Eect-11259]
2. Permanent member of Institution of Engineers Pakistan (IEP) [LM:M-16364/KAR-1519]

PUBLICATIONS:

1. ENERGY SCENARIO IN PAKISTAN: An International Journal, Science Technology and Development. Volume 16, Number 3, July-September 1997.
2. PAKISTAN ENERGY SCENE: Physics News, Newsletter of Pakistan Institute of Physics. Volume-9 No.1, March, 1997.

3. **'Evaluating wind energy potential in Pakistan's three provinces, with proposal for integration into national power grid.'** Renewable and Sustainable Energy Reviews, Volume-53, January 2016.
URL: <https://doi.org/10.1016/j.rser.2015.08.052>
4. **'Development of Frequency Limited Model Reduction Algorithm with Error Bound and Application to Continuous-time Variable-Speed Wind Turbines for Power System',** Australia New Zealand Control Conference (ANZCC)-2020/IEEE.
URL: <https://ieeexplore.ieee.org/abstract/document/9318388>
5. **"Frequency Limited & Weighted Model Reduction Algorithm With Error Bound: Application to Discrete-Time Doubly Fed Induction Generator Based Wind Turbines for Power System",** IEEE Access, Volume 9, 2021 (HEC: W-Category: JPI-78: Medallion SILVER
URL: <https://ieeexplore.ieee.org/document/9316688?source=authoralert>
6. **"Development of Frequency Weighted Model Reduction Algorithm with Error Bound: Application to Doubly Fed Induction Generator Based Wind Turbines for Power System",** Electronics 2021, 10, 44. (HEC: X-Category: JPI-49: Medallion HONORABLE MENTION)
URL: <https://www.mdpi.com/2079-9292/10/1/44>
7. **"Improving Computational Efficiency in Power Systems: Development of Model Reduction Framework with Error-Bound for Wind Turbines-Based on DFIG",** 20th International Bhurban Conference on Applied Sciences and Technology (IBCAST) 20-25 August, 2023, IEEE October 17, 2024.
URL: <https://doi.org/10.1109/IBCAST59916.2023.10712823>
8. **"Accuracy Enhancing Time Limited Model Reduction Framework: Computational Efficiency in Power Systems",** 21st International Bhurban Conference on Applied Sciences and Technology (IBCAST), 20-23 August, 2024, IEEE February 18, 2025.
URL: <https://doi.org/10.1109/IBCAST61650.2024.10876944>

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