



Tariq MASOOD



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Dr. Tariq Masood is a distinguished professional with a wealth of academic qualifications in electrical power system engineering. His credentials include an **M.Eng, M.Phil,** and a **Ph.D. (Smartgrid/Microgrid Renewable Energy Distributed Power Generation)** from the esteemed University of Bath, Bath, U.K. He also obtained **Scientific Teaching Fellowship-2022**, Accredited/Sponsored by the **NSF-National Science Foundation** and **hhmi-** Howard Hughes Medical Institute in the **United States**. These qualifications, coupled with his status as a chartered engineer registered with the Royal Engineering Council in the U.K., a senior member of IEEE-USA, a senior member of AIChE-USA, and a member of IET-UK, reassure his extensive expertise. His professional affiliations also include being a certified CET International USA member and a registered ASCET (American Society of Certified Engineers and Technicians) USA member. Dr. Masood is an Assistant professor (**Tenured-Track**) at Frostburg State University in Frostburg, Maryland. His leadership roles at the university, including serving as a Senator *of the Faculty Senate*, demonstrate his commitment to fostering academic excellence.

Dr. Masood is a versatile, collaborative, accomplished, and knowledgeable professional. His successful track record as a **Professional Engineer/Academician**. His collaborative approach makes everyone feel included and part of a team. He has also contributed as a Visiting & Adjunct Professor and **Invited speaker** at **OIT, UTT, Texas A&M Qatar, UTA, TTU, UND, U.B., and UDC** in the United States of America. He is also certified by the Lean Six Sigma Green Belt. In the past, he also served as a **Vice President of Technical Operations** at Energy and Utilities Service in New Jersey, USA.

His main research interests are linked to the:

- (1) Real-time production data management's modeling and simulation
- (2) FACTS Technology: STATCOM, SSSC, UPFC and IPFC control devices operations and control
- (3) HVDC Technology: Back-to-Back to STATCOM devices
- (4) Smart and Microgrid Operations and control
- (5) Reactive Power Compensation and Management
- (6) Power System Stability and Quality

He joined Qatar Petroleum in 1997 as a Technical Coordinator Operations/Advisor. He was a member of the BPTC (Best Practices Technical Committee) and other production integrity committees under the patronage of **H.E. Dr. Mohd Saleh Al-Sada**, Minister of Energy and Industry Qatar. His contributions to the field are evident in his more than **105 technical research papers** published in IEEE Conference, ICRPEQ Journal, papers and **six books published by Wiley-IEEE, Springer** and New Age.

He has received several awards for his outstanding performance and dedication to improving Qatar Petroleum's production operations and control, including two Mubarak awards from the H.E Minister of Energy and Industry, and three Al-Hasba Awards from the Vice President of Operations. He was the secretary for the GCC oil-producing companies (**QP-Qatar, PDO-Oman ARAMCO-Saudi Arabia, KOC-Kuwait, TATWEER-Bahrain, and ADNOC-United Arab Emirates**) Production and Maintenance Technical Committee in 2008 and 2011.

Additional Information:

1. *Member, Academic Affairs Committee*
2. *Member, Academic Standard Committee*
3. *Member, Center for Teaching Excellence Advisory Group*
4. **Associate Editor, IEEE Access Journal**
5. *Member Advisory board Texas A&M University, Qatar Campus*

6. *Member advisory Board **MNS University of Engineering and Technology** Multan Pakistan*
7. *Member of Renewable Energy **NFCIET Multan Pakistan***
8. *Member of IEEE Admission and Advancement committee to review and upgrade member to Senior member level*
9. *ICREPQ-International Scientific Committee Member.*
10. *REE&PQJ-Scientific Committee Member.*
11. *E&Q Journal-Scientific Committee.*