

CURRICULUM VITAE

Engr. Dr. RAJA MASOOD LARIK

Assistant Professor

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PROFESSIONAL ADDRESS

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Brief Biography:

Engr.Dr.Raja Masood Larik received his Bachelor of Engineering and Master of Engineering (Electrical) from NED University of Engineering & Technology Karachi, Sindh-Pakistan and PhD (Electrical Power Systems) from University Technology Malaysia (UTM) in the year 1998, 2006 and 2019 respectively. He is currently working as Assistant Professor Department of Electrical Engineering NED University of Engineering and Technology Sindh, Pakistan.

He is Senior Member IEEE (USA), IEEE (Power and Energy Society) and IEEE (Industrial Electronics Society). He is Life Member PEC. He is Fellow IEP & IEEEEP Pakistan.

He is Member Central Council Electrical (IEP Karachi Centre)

He is HEC Approved Supervisor since February, 28th, 2020

He is Member Standard Development Working Group of member Pakistan Standard and Quality Control Authority (PSQCA).

He is member Board of Studies BUET Khuzdar and MAJU University.

He served as Expert Examiners for Masters and PhD for various Institutes.

He served as Event Secretary and Session Chairs of the Conference IEEE C 2020 and onwards.

He has more than 30 different publications in various international journals and conferences, in the areas like Smart Grids, Distributed Generations, Renewable Energy, Power System Optimization, Power System Planning, Operation Control and Stability. He served as potential reviewer for various high-quality journals such as IEEE Access, Applied Energy, Energy Reports, Renewable and Sustainable Energy Reviews, IET generation transmission and distribution. Energies and Sustainability.

Masters Theses Supervision:

1. Arshia Saeed, Voltage Stability Analysis of Power System Considering Electric Vehicles By Search & Rescue Algorithm.

2. Fatima Memon, Islanding Detection for Grid Integrated Distributed Generations Using Absolute Angle Between Negative Sequence Voltage and Current.
3. Sana Zaheer, Development of Load Model on Matlab/Simulink, Busway Distribution System Design & Power Quality Improvement for Resistance Welding Load.
4. Shahzeb Anis, Application of Machine Learning in Physical Asset Management Employing Reliability and FMEA.
5. Tuba Khursheed, Load Flow Analysis of Solar Net Metering in Distribution System to Improve Voltage Regulations and to Reduce Power Losses.
6. Muhammad Hussain, A Mixed Integer Second Order Cone Model for the Optimal Placement and Sizing of Distributed Generators and Battery Energy Storage System in Power Distribution Networks

COMPUTER SKILLS

- MS– Office 2019
- Internet Applications
- MATLAB Simulink
- MATLAB Coding
- Windows-10.
- C Language
- ETAP
- PSCAD

POSITIONS

1. November 2006 - date: Full Time **Assistant Professor** at Department of Electrical Engineering NED UET Karachi.
2. July 2005-October 2006: Full Time **Lecturer** (Electronic Engineering), SSUET Karachi.
3. October 2003 June 2005: **Assistant Executive Engineer** Karachi Electric Supply Corporation limited (K.E.S.C)
4. October 2000 - October 2003 **Laboratory In-charge** Electrical Engineering, NED UET Karachi.
5. July 1998-June 2000 **Assistant Plant Manager** China Petroleum Engineering Construction corporation (CPECC)

COURSES TAUGHT AT UNDEGRADUATE LEVEL

- Electrical Machines-1 and 2
- Circuit Theory
- Network Analysis

- Basic Electrical Engineering
- Electrical Power Distribution and Utilization
- Circuit Analysis
- Electrical Power Transmission
- Electrical Power System Protection
- Power Generation

COURSES TAUGHT AT MASTER LEVEL

- Power System Stability
- Electrical Power Distribution System Engineering-1 and 2
- Electrical Power Transmission
- Advanced Power System Planning
- Reliability Engineering
- Advanced Electrical Power Systems
- Power System Analysis - 1 and 2
- Power System Reliability
- Renewable Energy
- Distributed Generation
- Processes and Energy Integration
- Power System Restructuring

COURSES TAUGHT AT B.TECH (PASS)/HONRS LEVEL

- Power Plant Technology
- Electrical Power Transmission and Distribution
- Electrical Power Generation
- Industrial Machines
- Advanced Circuit Analysis
- Power System Analysis
- Switch Gear and Protection

Research Areas

- Power System Stability
- Power System Optimization
- Smart Grids

- Renewable Energy
- Power System Protection, Operation, Planning, Reliability and Control
- Power Quality
- Distributed Generations
- Asset Management
- Micro Grids
- Net Metering
- Energy Efficiency
- Islanding

Research Seminars/Webinar/Workshops Conducted

- How to Publish in high Impact Journals
- Characteristics of a good Literature Review
- Smart Grids and Renewable Energy
- How to defend PhD Thesis
- Qualities of an Excellent Thesis
- How to write a good Research Proposal
- Modelling and Design of Power Distribution Systems
- Integration of Renewable Energy with National Grid Challenges and Opportunities
- Research Management Skills

IMPOERTANT LINKS

Google Scholar: https://scholar.google.com/citations?hl=en&user=7z1g_I0AAAAJ

ORCID id # <https://orcid.org/0000-0001-7835-6830>

Researchgate: <https://www.researchgate.net/profile/Raja-Masood-Larik>

Twitter: <https://twitter.com/rmlarik>

Linked-In: <https://www.linkedin.com/in/engr-dr-raja-masood-larik-84a16297/>

Academia.edu <https://independent.academia.edu/RajaMasoodLarik/Analytics/activity/overview>

Slide Share: <https://www2.slideshare.net/100000771550363>

Facebook: <https://www.facebook.com/rmlarik>

Instagram: rmlarik