

DR. SREERAMA KUMAR R

Professor, Department of Electrical and Computer Engineering, King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
Ph.D.	Electric Power Systems	Indian Institute of Science, Bangalore	1992
M.Tech.	Electrical Engineering	Indian Institute of Technology, Madras	1986
B.Tech.	Electrical Engineering	University of Calicut	1984

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
1985	1991	National Institute of Technology Calicut	Lecturer	--	Full Time
1991	1997	National Institute of Technology Calicut	Sr. Lecturer	--	Full Time
1997	2005	National Institute of Technology Calicut	Asst. Professor	--	Full Time
2005	2010	National Institute of Technology Calicut	Professor	--	Full Time
2011	2012	National Institute of Technology Calicut	Professor	Dept. Head	Full Time
2012	till This Date	King Abdulaziz University Jeddah	Professor	Chair Professor/ Professor & Chair (Power&Machines)	Full Time

Non-Academic Experience: Energy Consultant, King Abdulaziz University Jeddah

Funded Research Projects and Patents From The Last Five Years

- Saudi Electricity Company Chair: Research on Demand Side Management and Energy Efficiency
- KAU DSR General Research Project entitled “Investigation of Voltage Rise Issues due to High Penetration of Distributed Solar PV Systems”.... (Ongoing).
- KAU DSR Distinct Research Project entitled "Parallel and Distributed Computation Based Fast Decoupled Load Flow Technique" ... (Ongoing)

Certifications and Professional Registrations: Nil

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Since</i>
i. IEEE	Senior Member (M41526633)	2000
ii. institute of Engineers (India)	Fellow ((F/108229/5)	2001

Major Honors and Awards

- **Editor of the Elsevier Procedia Technology Publication** Entitled “International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST - 2015)” (jointly with, **Purdue University, USA.**), Vol. 24, pp. 1-1868, 2016.
- An International Journal Publication has secured **8th Position as per Science Direct Survey:** Top 25 Hottest Articles in International Journal of Electrical Power and Energy

Systems during the period from January to March 2016. The publication is Sreerama Kumar R, Chandrasekaran E , “A Parallel Distributed Computing Framework for Newton-Raphson Load Flow Analysis of Large Interconnected Power Systems”, Int. Jl. of Electric Power and Energy Systems, 73, pp.01-06, December 2015.

Institutional and Professional Services

- Professor and Head (Power and Machines), Department of Electrical and Computer Engineering
- Member in ABET Committee, Department of Electrical and Computer Engineering

Principal Publications from the Past Five Years

1. Ismayil C, Sreerama Kumar R, Sindhu T.K, "Fractional Order PID Based Automatic Generation Control in a Deregulated Power Systems", Int. Jl. of Electric Power Components and Systems, Volume 43, No. 17, pp. 1931-1945, Sep. 2015.
2. Sreerama Kumar R, Chandrasekaran E, “A Parallel Distributed Computing Framework for Newton-Raphson Load Flow Analysis of Large Interconnected Power Systems”, Int. Jl. of Electric Power and Energy Systems, 73, pp.01-06, Dec. 2015.
3. Saleh Bamasak, Yusuf A Al-Turki, Sreerama Kumar R, “Design of Weighted Wide Area Damping Controller (WWADC) Based PSS for Damping Inter-Area Low Frequency Oscillations”, Journal of Electrical Systems, 13-3, pp. 429-443, March 2017.
4. Jasim Farooq, Paawan Sharma, Sreerama Kumar R, “Applications of Building Information Modeling in Electrical Systems Design”, Journal of Engineering Science and Technology Review, Vol. 10, No.6, pp. 119-128, Dec. 2017.
5. Jasim Farooq, Paawan Sharma, Sreerama Kumar R “BIM-based Electrical Load Estimation from Architectural Building Models”, International Journal of Advanced Research in Dynamical and Control Systems, Issue-15, pp. 63-67, 2018.
6. Abdullah T Alshaik, Thamer Alquthami, Sreerama kumar R, “Characterization of Voltage Rise Issue due to Distributed Solar PV Penetration”, International Journal of Applied Engineering Research, Vol. 13, Number 10, 2018, pp. 7522-7528, May 2018.
7. Jasim Farooq, Paawan Sharma, Sreerama Kumar R, “A BIM-based Detailed Electrical Load Estimation, Costing and Code Checking”, International Journal of Electrical and Computer Engineering, Vol.8, No.5, pp. 3484-3495, Oct. 2018.
8. Amir A. Imam, Yusuf A. Al-Turki, Sreerama Kumar R. ,“Techno-Economic Feasibility Assessment of Grid-Connected PV System for Residential Buildings in Saudi Arabia – A Case Study of Jeddah City”, International Journal of Sustainability, Vo.12, issue 1, 262, pp.1-25, Jan. 2020.
9. Thamer Alquthami, Sreerama Kumar R, Abdullah T Alshaik, “Mitigation of Voltage Rise due to High Solar PV Penetration in Saudi Distribution Network” Springer International Journal of Electrical Engineering, Jan.2020.
10. Sreerama Kumar R, “Unified Fast Decoupled Load Flow in a Parallel and distribution Computation Framework”, Int. Jl. of Electric Power Components and Systems, Vol.48, Issue 1-2, pp. 128-137, May 2020.

Recent Professional Development Activities (*Workshops, Trainings etc.*)

1. Delivered Keynote Speech and Chaired Technical Sessions in the Eighth International Conference on Modelling, Identification And Control (ICMIC 2016), Algiers , Algeria, Nov. 2016.
2. Delivered Keynote Speech and Chaired Technical Sessions in the IEEE International Conference on Smart Technologies And Management for Computing, Communication, Controls, Energy And Materials (ICSTM 2017), Veltech Dr. RR & Dr. SR University, Chennai, India, August 2017.