

RESUME



Dr. S Zahid Nabi Dar

(B.E. in Electrical and Electronics, M.Tech in Power Systems Engineering, PhD in Electrical Engineering)

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OBJECTIVES:

- To work towards Organizational progress being conscious of Social and Individual responsibilities.
- Optimum utilization of resources at disposal.

STRENGTHS:

- Ability to accept people and situations, to respect people for what they are, positive attitude, self-confident and quick learner, very good orator.
- Good logical and analytical skills.

ACADEMIC RECORD:

Degree	Institution Attended	Division
PhD	NIT Srinagar	Reported outstanding by external examiners
M.Tech	Ghousia College of Engineering, Ramanagram, Bangalore(affiliated to VTU, Govt of Karnataka)	1 st (2011)
BE(EE)	NITTE Meenakshi Institute of Technology, Bangalore	2 nd (2009)

TECHNICAL SKILLS AND INTERESTS:

- Proficient in PSCAD
- Proficient in MATLAB and SIMULINK
- Fully conversant with automation and computer operations
- Proficient in Microsoft office Visio
- Proficient in Origin.

WORK EXPERIENCE:

1. I have received my PhD in Electrical Engineering on 01 July 2019 from NIT Srinagar (Result notification att).

(a) NIT Srinagar : 1 year Six months
(September 2011-
31 December 2012

(b) Research assistant] : (30 April 2013
to may2018)

(c) Assistant Professor
SSM College of Engineering : May 3 2018 to March 3 2019

(d) Assistant Professor
SSM College of Engineering : March 2019 to December 2020

(e) CMR institute of Techonology : Jan 2021 till July 2022.

(f) MIET JAMMU : August 2022 to July 2023

Current CTC: Rs 62440

Expected CTC:Rs 90000

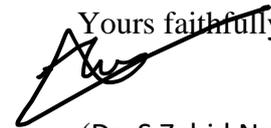
2. Developed electrical projects and various lab modules
3. Designed electrical vehicles based on brushless dc motors
4. Destined software adaptive predictive control modules for energy storage devices.
5. Have Guest lecture invitation from **Turkey, Belgium and Poland.**

6. Have **25** international papers in journals and conferences.

7. **23** papers indexed with **Scopus** with **Scopus Author Id: 57195723913**

8, 4 Journals I have published with web of science.

9All papers are in unpaid and internationally approved journals.

Yours faithfully,


(Dr. S Zahid Nabi Dar)

Subjects Handled: Electrical Machines, Power System Engineering, Electrical Circuits, Control systems, Electrical Measurements

Labs Handled : Electrical Measurements, Electrical Machines, Power System Engineering, Basic Electrical Engineering

PhD PROJECT:

TITLE: Intelligent Application of FACTS Devices in Wind Penetrated Power Systems

Mainly my research work, concentrates on reducing the frequency and tie-power deviations in the Load frequency control problem associated with wind penetrated power systems. Use of hidden inertia present in form of proportional gain and Energy storage type FACTS devices are incorporated to store energy during energy surplus and to release energy during energy deficiency.

FIELDS OF INTEREST:

- Hobbies: Reading, Fishing, Gardening
- Sports: Cricket, Badminton, Swimming

DETAILS OF MY PUBLICATIONS ARE TABULATED BELOW:-

Ser No	Topic	Journal	IEEE Conference
1	<p>Enhanced load frequency control response with integration of supervisory controlled superconducting magnetic energy storage system in wind-penetrated two-area power system</p> <p>(Scopus-indexed)</p>	<p>Published: SAGE Journal:- Wind Engineering Online available: August 2017 Wind Engineering 41(4):0309524X1772248 DOI: 10.1177/0309524X17722481</p>	<p>.....</p>
2	<p>Improved load frequency characteristics with genetically tuned Super capacitor Energy storage in interconnected power system</p> <p>(Internationally Approved)</p>	<p>Published: International Journal of Industrial Electronics and Drives January 2018 International Journal of Industrial Electronics and Drives 4(1):16 DOI: 10.1504/IJIED.2018.0904</p>	<p>.....</p>
3	<p>Integrating a superconducting magnetic energy storage system for intelligent control of LFC characteristic in multi-area power system</p> <p>(Internationally Approved)</p>	<p>Published in: January 2018 International Journal of Industrial Electronics and Drives 4(2):96 DOI: 10.1504/IJIED.2018.09180</p>	<p>.....</p>

4	<p>APPLICATION OF BATTERY ENERGY STORAGE IN WIND PENETRATED TWO AREA POWER SYSTEM</p> <p>UGC (Approved)</p>	<p>Accepted In: International Journal of Industrial Electronics and Electrical Engineering(IJIEEE) Vol 6, Issue 4</p>	<p>.....</p>
5	<p>Improved Load Frequency Response In Two Area Power System With Battery Energy Storage</p> <p>(Scopus-indexed)</p>	<p>.....</p>	<p>Published in: May 2017 DOI: 10.1109/CCAA.2017.8229949 Conference: 2017 International Conference on Computing, Communication and Automation (ICCCA)</p>
6	<p>Improved automatic generation characteristics in isolated power system with genetically tuned ultra-battery storage</p> <p>(Scopus-indexed)</p>	<p>.....</p>	<p>Published in: July 2017 10.1109/ICICICT1.2017.8342689 International Conference on Computing, <i>Communication and Automation</i></p>

7	<p>Model predictive control of two area power system with superconducting magnetic energy storage system</p> <p>(Scopus-indexed)</p>	<p>.....</p>	<p>Published in: May 2017</p> <p>DOI: 10.1109/CCAA.2017.8230061</p> <p>International Conference on Computing, Communication and Automation (ICCCA)</p>
8	<p>Effect of ultra-battery on load frequency response of two area power system</p> <p>(Scopus-indexed)</p>	<p>.....</p>	<p>Published in</p> <p>May 2017 DOI: 10.1109/CCAA.2017.8230018</p> <p>Conference: 2017 International Conference on Computing, Communication and Automation (ICCCA)</p>
9	<p>Analysis of two area power system with battery energy storage</p> <p>(IEEE-indexed)</p>	<p>.....</p>	<p>Published in</p> <p>April 2017 10.1109/I2CT.2017.8226262</p> <p>2nd International Conference for Convergence in Technology (I2CT)</p>

10	<p>Analyzing two area power system with genetically tuned superconductor magnetic energy storage system</p> <p>(Scopus-indexed)</p>	<p>.....</p>	<p>Published in:</p> <p>July 2017</p> <p>DOI: 10.1109/ICICICT 1.2017.8342658</p> <p>Conference: 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)</p>
11	<p>Enhanced power and frequency response characteristics in single area power system with superconducting magnetic energy storage</p> <p>(Scopus-indexed)</p>	<p>.....</p>	<p>July 2017</p> <p>DOI: 10.1109/ICICICT 1.2017.8342801</p> <p>Conference: 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)</p>

12	<p>Load frequency control in a two-area power system with super capacitor energy storage system (Scopus-indexed)</p>	<p>.....</p>	<p>Published in : July 2017 DOI: 10.1109/ICICICT 1.2017.8342651 Conference: 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)</p>
13	<p>Improved load frequency characteristics in isolated power system with genetically tuned battery energy storage (IEEE-indexed)</p>	<p>.....</p>	<p>Published in: October 2017 DOI: 10.1109/RDCAPE.2017.8358303 Conference: 2017 Recent Developments in Control, Automation & Power Engineering (RDCAPE)</p>
14	<p>Integration of DFIG in Damping LFC Characteristics in Wind Penetrated Power System (IEEE-indexed)</p>	<p>.....</p>	<p>Published in : January 2018 DOI: 10.1109/RDCAP E.2017.8358324 Conference: RDCAP</p>

15	Inertial Response Support in LFC by Linearized Delta Torque Model Based DFIG. (Scopus-indexed)		Published in : 04 October 2018 INSPEC Accession Number: 18133298 DOI: Publisher: IEEE Conference Location: Bangalore, India
16	Integration of Genetically Tuned DFIG to AGC of Power System		Date Added to IEEE Xplore: 05 February 2021 DOI: 10.1109/ICAIECC50550.2020.9339496
17	Integration of Flywheel Energy Storage to AGC of Two Area Power System		Date Added to IEEE Xplore: 31 December 2020 DOI: 10.1109/B-HTC50970.2020

18	INTELLIGENTLY CONTROLLED SCHEME FOR INTEGRATION OF SMES IN WIND PENETRATED POWER SYSTEM FOR LOAD FREQUENCY CONTROL Scopus indexed	BOOK CHAPTER Lecture Notes in Networks and Systems.	<u>Accepted for publication in springer Nature 2021</u>
19	EFFECT OF SURFACE IMPERFECTIONS IN CHANNEL REGION OF AN N-MOSFET ON ITS VITAL CHARACTERISTICS: A SIMULATION STUDY	BOOK Chapter Lecture Notes in Networks and Systems.	<u>Accepted for publication in springer Nature 2021</u>
20	Simulation of PID and Fuzzy Logic Controllers for Boost Converter		Date Added to IEEE Xplore: 02 August 2021 DOI: 10.1109/ICC ES51350.2021.9488 949
21	Intelligent monitoring of small sized supercapacitor in wind-penetrated power system	Published: Sage: Journal of Vibration and Control	First Published June 10, 2021 https://doi.org/10.1177/10775463211025333

22	Ultra battery application for adaptive model predictive control in wind penetrated power systems	Published: SAGE Journal:- Wind Engineering Online available: August 2017 Wind Engineering 41(4):0309524X1772248 DOI: 10.1177/0309524X17722481	First Published July 8, 2021. https://doi.org/10.1177/0309524X211028662
23	Utilization of Small Sized SMES for Wind disturbance In Wind Penetrated Power	Published: August 2022 DOI:10.1109/ICICICT54557.2022.9917835 Conference: 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT)	First published 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT) DOI: 10.1109/ICICICT54557.2022 11-12 Aug. 2022
24	Consumer demand profile management through Demand side load management: a review	August 2022 DOI:10.1109/ICICICT54557.2022.9917905 Conference: 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT)	First published 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT) DOI: 10.1109/ICICICT54557.2022 11-12 Aug. 2022
25	Interfacing Small Sized SMES for Active Power Control In Wind Penetrated Power System	Accepted in AIP Conference proceedings	

Reason for considering me:-

The necessary job oriented skill possessed by me for (Incubation and Innovation)

1. The skills development from elementary laws of electrical and electronic engineering to complex problems like designing of electric vehicle and motorized instruments for the

benefit of overall society is my desire. In the recent past I, have worked in institute of national importance **NIT Srinagar** and worked as **Head instrumentation cell at SSM** College of Engineering.

2. During my tenure as Head instrumentation cell many projects like **E-Rickshaw and Fruit gripper and Salt water electrical welding machine** were developed.

3. My goal is to work towards the growth of my nation, just like my father who served **defense**

services for 35 years and I have travelled along him and did my 15 years of schooling from 6 different Indian states namely Port Blair Island (Andaman and Nicobar) to down south in Bangalore (Karnataka) , since we have travelled all across the country and stayed there for years, hence I feel I can adapt with people and have good exposure to impart technical education to people from different cultural backgrounds.

- 1 All relevant documents are attached with this application.
- 2 I have guest lecture invitations from Turkey , Poland and Belgium
- 3 Reviewer Journal of Electrical and Electronic Engineering
- 4 Reviewer of Journal Electrical Power System Research (Q1 JOURNAL)
- 5 Reviewer of Journal Institution of India Springer Nature
- 6 Links of video lecturers available at YouTube
:https://www.youtube.com/user/zahidnabi21
- 7 Awarded Reviewer of year in SCI indexed Q1 Journal Electric Power System Research Certificate Attached
- 8 Presently working at remote controlled water sprinkling vehicle named vahini funded with US Collaboration . The main focus of the project is on battery sizing and controlling the vehicle with use of controller area networks and accurate control of the brushless dc motor and the stepper motor by programming with adrino.
 - Phd Final defense <https://youtu.be/OdSH70Hnl-I>
 - Lab teaching skills <https://youtu.be/l8fayTmkDqY>
 - Classroom presentation skills :- https://youtu.be/wU-hJ_ABsWM



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S ZAHID DAR

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The Editors of Electric Power Systems Research



PERSONAL PROFILE:

Date of Birth : 07 Aug 1985
Age : 36 years
Father's Name : G N DAR (Retired CE, MES)
Mother's Name : FARIDA DAR (House Wife)
Languages Known : English, Hindi, Kashmiri and Kannada
Address : Y-16 Opposite Jhelum Education Trust Kanispora
Baramulla

DECLARATION:

I hereby declare that the information provided above is true to the best of my knowledge.

Yours faithfully,
(Dr. S Zahid Nabi Dar)

