

Mr. ZAHOOR AHMAD

(Member IEEE)

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PROFILE

Detail-oriented, high-energy, Electrical engineering professional with keen problem-solving and analytical skills. Strong interpersonal, planning, and organizational skills as demonstrated at various professional activities. Contribute independently, or as part of a team, to coordinate and manage academics, research and consultancy duties.

EDUCATION

Master of Technology (M.Tech) <i>National Institute of Technology Srinagar (NIT Srinagar)</i>	<i>CGPA: 9.115/10</i> <i>July 2017</i>
Bachelor of Engineering (B.E) in Electrical Engineering <i>University of Jammu, India</i>	<i>Percentage: 73.56%</i> <i>April 2006</i>

PROFESSIONAL EXPERIENCE

Asst. Professor – Department of Electrical Engineering <i>IUST, Awantipora, J&K, India</i>	<i>01-04-2010 - till date</i> <i>(Regular)</i>
Lecturer – Department of Electrical Engineering <i>National Institute of Technology Srinagar (NIT Srinagar)</i>	<i>08-08-2007 to 31-03-2010</i>

AREA OF INTEREST

Power Electronics, Electrical Machines and Electrical Drives, Pulse width modulation (**PWM**) control of Power Electronics Converters, Multi level multi phase Power converter design and control

SOFTWAREL/HARDWARE SKILLS

Languages	Matlab, Simulink, Assembly Language 8085
Operating Systems	Windows (all versions), MAC
Packages	MS-Office, Homer
Documents/Referencing	Mendeley, MS-Word, Visio and Endnotes

SEMINARS/WORKSHOPS ORGANISED

Organized a one week Short Term Course (STC) as Convener on “*FPGA programming in Power and Control applications*”, in collaboration with Cranes Software International limited at Islamic University of Science and Technology, Awantipora, J&K from 10-14 September 2018.

WEIBNARS ATTENDED

- i.* One-week online Faculty Development Programme on Engineering Next Generation Technology for Humanity(ENGTH-2020) organized by Department of Electrical & Electronics Engineering, Motihari College of Engineering Bihar, India from **5th – 9th August 2020**
- ii.* One-week online Faculty Development Programme on Soft Computing Techniques(STC-2020) organized by Electrical Engineering Department, National Institute of Technology Srinagar, J&K from **25th – 30th July 2020**
- iii.* Four-week Induction/Orientation Programme for “Faculty in University/Colleges/Institutes of Higher Education” organized by Teaching Learning Centre Ramanujan College University of Delhi from **4th June – 1st July 2020**
- iv.* “Learning Physics Through Simple Experiments” organized by Indian Institute of Technology Kanpur from **2nd April – 10th June 2020**
- v.* Short Term Training Programme through ICT Mode on Research Methodology and Intellectual Property Right (IPR) organized by NITITR Kolkata from **13th – 24th April 2020**
- vi.* **NPTEL** Online Certification on Electrical Machines-I with 100% score from **January – April 2020**

SEMINARS/WORKSHOPS ATTENDED

- i.* *One-Week Summer School on Quantum Mechanics* from July 29- August 04, 2019
Organized by Department of Physics, IUST Awantipora, J&K, India
- ii.* **CEP**-Electromagnetic Fields and waves: Pedagogy and Computation from November 12- 16, 2018
At Indian Institute of Technology Bombay, India
- iii.* **FDP**-One Week National Faculty Development Programme on Research Trends in Information Technology (RTIT-2018) from September 25th – 29th, 2018
Department of Computer Science, IUST, Awantipora, J&K
- iv.* **STC** – FPGA Programming in Power and Control Applications from September 10- 14, 2018
Department of Electrical Engineering, IUST Awantipora, J&K
- v.* **CPDP**- *Electrical safety Procedures and Accident Prevention* from December 12- 15, 2017
Engineering Staff College of India Hyderabad

RESEARCH ARTICLES AND CONFERENCES

Peer reviewed Journals

- i. A.S Anees, Salman Ahmad, **Zahoor Ahmad Ganie**, “*Space Heating for Kashmir Valley: Issues, Challenges and Remedies*”, Lecture Notes In Electrical Engineering, **Springer** (Accepted 2020)
- ii. Tanveer A Tarray, **Zahoor Ahmad**, Baziga Yousuf, “ A Stratified Optimal Mathematical Model”, Lecture Notes In Electrical Engineering, **Springer** (Accepted 2020)
- iii. **Zahoor Ahmad**, Baziga Youssuf and Tanveer A. Tarray (2020), A Proficient Optional Randomized Response Model for Estimating a Rare Sensitive Attribute Using Poisson Distribution. *World Applied Sciences Journal*, 38(4, 2020), (pp. 324-328). IDOS
- iv. **Zahoor Ahmad**, Dr. A. H. Bhat. (2018, July-September). Power Quality and Transient Stability Improvement of Grid connected Wind Energy System using STATCOM. *International Journal of Research in Electronics and Computer Engineering*, 6(3), (pp. 397-401). I2OR
- v. **Zahoor Ahmad**, & Sharief, S. (2017). Design and Performance of Solar Tracking Photo-Voltaic System using Microcontroller. *International Journal of Advanced Research in Computer Science*, 8(4).
- vi. **Mr Zahoor Ahmad Ganie** and Mr Rayees Ahmad Lone. (2014). Performance of Single Phase Transformer with Different Supplies using SIMULATION. *International Journal of Electrical Engineering & Technology*, 4(2014), (pp. 41-49). IRPH
- vii. **Mr Zahoor Ahmad Ganie** and Mr Rayees Ahmad Lone. (2014). Reduction of Iron Losses in a Transformer using Embedded Core. *International Journal of Electronic and Electrical Engineering*, 7(2014), (pp. 83-92). IRPH
- viii. Lone, R. A., & **Ganie, Zahoor Ahmad**. (2013). Modeling and Fault Analysis of Canal Type Small Hydro Power Plant. *International Journal of Computational Engineering Research*, 3(6), 60.

Peer Reviewed Conferences

- i. Tarray, T. A., **Zahoor Ahmad**, & Youssuf, B. (2019, June). A stratified RR model using the poly'a's URN process. In *Proceedings of the Third International Conference on Advanced Informatics for Computing Research* (pp. 1-4)
- ii. **Salman Ahmad**, Zahoor Ahmad Ganie, Rahimuddin, “*Close Loop Control of quasi Z-Source Inverter in Grid Connected PV System*”, **IEEE UPCON**, AMU Aligarh, India. November 8-10, 2019.
- iii. **Salman Ahmad**, Zahoor Ahmad Ganie, Imtiaz Ashraf, Atif Iqbal, “*Harmonics minimization in 3-level waveform and its FPGA realization*”, **IEEE CIPECH**, KIET, India. November 1-2, 2018. DOI: 10.1109/CIPECH.2018.8724136.

Manuscript Under Review

- i. Salman Ahmad, Rahimuddin, and **Zahoor Ahmad Ganie**, “*Low frequency operation and micro-controller implementation for multilevel quasi Z source inverter in photovoltaic application*” *International Transactions on Electrical Energy Systems*, **Wiley** (Manuscript ID: ITEES-20-2014)

Declaration: I hereby declare that above information is true according to the best of my knowledge.

Place: Awantipora
Date: 12/12/2020

Zahoor Ahmad