

Dr. Sankar Das

Assistant Professor

Electrical Engineering Department

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Education

- PhD, Jadavpur University
- M.E. in *High Voltage Engineering*, Jadavpur University
- B.E. in *Electrical Engineering*, Vidyasagar University

Research Interest

- Power quality and power electronic devices

Publications

(A) Refereed Journal Publications

1. **S. Das**, D. Chatterjee, S. K. Goswami, “A Gravitational Search Algorithm Based Static VAR Compensator Switching Function Optimization Technique for Minimum Harmonic Injection”, *Electric Power Component and Systems*, vol.-43, no.-20, pp. 2297-2310, July 2015.
2. **S. Das**, D. Chatterjee, S. K. Goswami, “Optimisation-based Improved Switching Technique for Static VAR Compensator Considering Minimum Source Harmonic Injection”, *IET Power Electronics*, vol.-9, no.-7, pp. 1362-1373, 2016.
3. **S. Das**, D. Chatterjee, S. K. Goswami, “A GSA-Based Modified SVC Switching Scheme for Load Balancing and Source Power Factor Improvement”, *IEEE Transactions on Power Delivery*, vol.-31, no.-5, pp. 2072-2082, October 2016.
4. **S. Das**, D. Chatterjee, S. K. Goswami, “A tuned-TSC Based SVC for Reactive Power Compensation and Harmonic Reduction in Unbalanced Distribution System”, *IET Generation Transmission & Distribution* (available online), 2017.
5. **S. Das**, D. Chatterjee, S. K. Goswami, “A Reactive Power Compensation Scheme for Unbalanced Four Wire System using Virtual Y-TCR Model”, *IEEE Transaction on Industrial Electronics*, vol.-65, no.-4, pp. 3210-3219, April 2018.
6. A Chatterjee, **S Das**, D Chatterjee, “An Efficient Technique to Measure and Examine the Hysteresis Loss of a Transformer under Source Harmonics”, *International Journal of Engineering & Technology Sciences*, vol.-2021, pp.1-14, June 2021.

7. R. Roy, S. Das, D. Chatterjee, G. K. Panda, “A high efficiency static VAR compensation scheme using modified magnetic energy recovery switch (MERS) with parameters selection of passive elements for low harmonic injection”, *International Journal of Electrical Power & Energy Systems*, vol.-135, pp-107629, Feb. 2022.

(B) Conference Publications

- B. Patel, S. Das, CK Roy, M Roy, “Simulation of ferroresonance with hysteresis model of transformer at no-load measured in laboratory”, *TENCON 2008-2008 IEEE Region 10 Conference*, pp. 1-6, 2008.
- S. Das, D. Chatterjee, S. K. Goswami, “An Improved Reactive Power Compensation Scheme for Unbalanced Four Wire System with Low Harmonic Injection using SVC”, *International Conference on Modelling and Simulation* (MS-17), HHI, Kolkata, India, Nov. 4-5, 2017.

(C) Book Chapter Publication

- S. Das, D. Chatterjee, S. K. Goswami, ‘An Improved Reactive Power Compensation Scheme for Unbalanced Four Wire System with Low Harmonic Injection using SVC’, *Springer Nature*, Vol. 749, pp. 119-131, Oct. 2018.

M. Tech. Thesis Supervision: Five

Award and Honors

- First position in M.E., Jadavpur University-2007

Experience:

Designation	Institute/Office where employed	Date of joining (exact date)	Date of leaving (exact date)	Duration of Experience
Lecturer, Elect. Engg.	Haldia Institute of Technology, Haldia, A Govt. Aided Engg. Institute, WB	01.02.2007	24.09.2007	7months (approx.)
Assistant Manager, Elct.	The Durgapur Projects Ltd., Durgapur, A Govt. of WB Enterprise	25.09.2007	22.01.2010	2 years 4 months (approx.)
Asstt. Prof., Elect. Engg.	Kanyapur Polytechnic, Asansole, WBGS	25.01.2010	25.08.2010	7months (approx.)
Asstt. Prof., Elect. Engg.	Jalpaiguri Govt. Engg. College, Jalpaiguri, WBGS	26.08.2010	18.05.2015	4 years 8 months (approx.)
Asstt. Prof., Elect. Engg.	Govt. College of Engg. & Textile Technology, Berhampore, WBGS	20.05.2015	Till date	10 years 8months (approx.)