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Designation : Associate Professor

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RESEARCH INTERESTS

- Power Electronics
- Power systems
- FACTS devices

Academic Qualifications

Ph. D. (Power System), KIIT University, India

M. Tech. (Power Electronics and Drives) KIIT University, India

Teaching Experience: 10 Years

PUBLICATIONS

JOURNAL & CONFERENCES

- [1]. Priyanka Kar, Sarat Chandra Swain, "Tuning of Power Oscillation Damping Controllers using Firefly Algorithm – A Comparison Study", Australian Journal of Basic and Applied Sciences, Volume: 9(16), ISSN:1991-8178, Pages: 306-311, Special 2015.
- [2]. Sarat Chandra Swain, Susmita Panda, Priyanka Kar, "FF Algorithm for design of SSSC-based FACTS Controller", International Journal Of Electronics Communications and Electrical Engineering, Volume 4, Issue 2 ISSN: 2277-7040, Pages: 41-54, 2014.
- [3]. Priyanka Kar, Sarat Chandra Swain, "Performance Analysis of A SSSC-Based Damping Controller", Article in press in Michel Faraday IET International summit Proceedings, IET Explore, 2015.
- [4]. Priyanka Kar, Prafulla Chandra Panda, Sarat Chandra Swain, Akshya Kumar, "Dynamic Stability Performance Improvement of SMIB Power System using TCSC and SVC", 2015 IEEE Power, Control And Communication And Information Technology Conference , SoA University, ISSN: 978-1-4799-7455-9/15, 2015.

- [5]. Priyanka Kar, Sarat Chandra Swain, “A Harmony Search- Firefly Algorithm Based Controller for Damping Power Oscillations”, IEEE conference CICT-2016, ABES Engineering College, Delhi, 2016.
- [6]. Priyanka Kar, Sarat Chandra Swain, “Design of hybrid damping controller for a two area power system”, International Journal of Control Theory and Applications (SCOPUS Indexed), Volume 9, Issue 17, pages: 8765-8771.
- [7]. Priyanka Kar, “Optimal allocation of SSSC for power oscillations damping using fire-fly algorithm”, International Conference on Intelligent Sustainable Systems (ICISS 2017) organized by SCAD Institute of Technology at Palladam, India, 2017.