



Priyanka Kar, Ph.D.

Designation : Associate Professor
Department : Department of Electrical & Electronics Engg. (JOINED THE INSTITUTE IN 2011)
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RESEARCH INTERESTS

- Power electronics converters and its application in power system engineering
- FACT devices and control methodologies
- AI techniques

Academic Qualifications

Ph.D., KIIT University, India

M. Tech., KIIT University, India

Specialization: Power electronics and drives

Teaching Experience/ Industrial Experience/ Research Experience

- ✓ Worked as lecturer C.V. Raman College of Engineering from Oct. 2008 to Sept. 2011

PUBLICATIONS

JOURNAL & CONFERENCES

- [1] Sarat Chandra Swain, Susmita Panda, Priyanka Kar, "FF Algorithm for design of SSSC-based FACTS Controller", International Journal Of Electronics Communications and Electrical Engineering, 2014
- [2] Priyanka Kar, Sarat Chandra Swain, "Tuning of Power Oscillation Damping Controllers using Firefly Algorithm – A Comparison Study", Australian Journal of Basic and Applied Sciences, 2015
- [3] Priyanka Kar, Sarat Chandra Swain, "Performance Analysis of A SSSC-Based Damping Controller, IEEE, 2015
- [4] Priyanka Kar, Prafulla Chandra Panda, Sarat Chandra Swain, Akshya Kumar, "Dynamic Stability Performance Improvement of SMIB Power System using TCSC and SVC" IEEE, 2015
- [5] Priyanka Kar, Sarat Chandra Swain, "A Harmony Search- Firefly Algorithm Based Controller for Damping Power Oscillations", IEEE, 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), 2017.

ANY OTHER

Membership of
Professional Societies

- ✓ IEEE
- ✓ ISTE