



Novel Power Electronics Technologies in Power Systems

Guest Editors:

Prof. Dr. Tomonobu Senjyu

Department of Electrical and
Electronics Engineering,
University of the Ryukyus,
Nishihara, Okinawa 903-0213,
Japan

b985542@tec.u-ryukyu.ac.jp

**Dr. Shriram Srinivasarangan
Rangarajan**

SASTRA University, Thanjavur,
Tamil Nadu, India
Clemson University, Clemson, SC
29634, USA

shriras@g.clemson.edu

Deadline for manuscript
submissions:

10 October 2021

Message from the Guest Editors

Dear Colleagues,

The Editor is inviting submissions for a Special Issue of *Applied Sciences* on the subject area of "Novel Power Electronics Technologies in Power Systems". The Special Issue will focus on the current and envisioned future roles of power electronic converters in power systems. As the grid is getting smarter, power electronic devices have started to play a vital role in the enhancement of efficiency and reliability of the existing power generation, transmission, distribution, and delivery infrastructure. Some of the prominent applications from power electronic devices in power systems include active filtering, compensation, and power conditioning. With increased penetration of renewable energy resources and storage systems, the application of power electronics in power systems has become more vital. With the advent of smart parks that includes renewable energy and plug-in electric vehicles (PEV)-based distributed resources, the ancillary services provided by such power electronic converters can form one of the major cruxes of the smart grid environment.

Prof. Dr. Tomonobu Senjyu

Dr. Shriram Srinivasarangan Rangarajan

Guest Editors

