Abstract

The world is now moving forward with an initiative to fasten the growth of renewable sources of energy and to improve the environment quality. Among various renewable sources of energy, wind energy is one of the popular sources which have the potential to fulfill our energy needs. This paper gives an idea about the past papers which provides various concepts about Wind Electric Conversion System using Permanent Magnet Synchronous Generator and to control various parameters like voltage, speed and pitch angle using power electronics converters.

References


Cristian Busca, Ana-Irina Stan, Tiberiu Stanciu and Daniel Ioan Stroe, "Control of permanent magnet synchronous generator for large wind turbines", International Symposium on Industrial Electronics (ISIE), IEEE Denmark, 4-7 Jul 2010, pp. 3871-3876.


Index Terms

Computer Science

Control Systems
Keywords
Permanent Magnet Synchronous Generator  Power Electronics Converters  Control Modelling
Matlab Simulink.