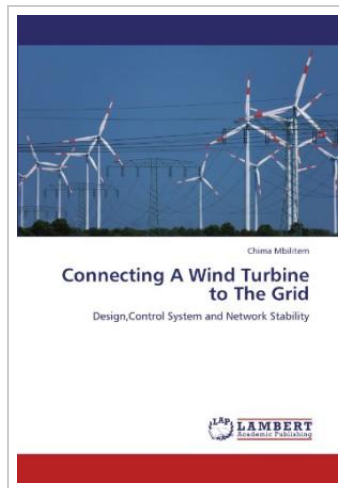




Connecting A Wind Turbine to The Grid

By Mbiletem, Chima

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Design, Control System and Network Stability | Wind turbines are generally seen as disruptive to the stability of the power grid because of the unpredictability of the wind. Wind turbines are normally designed to extract optimum power from the wind. The wind fluctuates widely and so will be the power generated by the wind turbine. This book shows how a wind turbine can be designed such that it actively aids in the stability of the grid. This makes it not just a source of green energy but also a network stabilizing element. The basic control system is arranged such that under normal operating conditions it tries to extract the optimum power available from the wind, without the need to measure the wind speed. When there is a deviation in the grid frequency, the wind turbine will react in such a way to counteract the deviation there by helping in network support. | Format: Paperback | Language/Sprache: english | 60 pp.



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