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1. Introduction. Modern wind turbines are equipped with controllers that, using both blade pitch and electrical torque, regulate the machine over its entire operating

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Chin. Phys. B Vol. 24, No. 1 (2015) 010502 Predictive control of a chaotic permanent magnet synchronous generator in a wind turbine system Manal Messadia) , Adel

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Predictive control of wind turbines with storage

Predictive control of wind turbines with storage Sharma, Rahul, Yan, Ruifeng and Kearney, Michael (2013). Predictive control of wind turbines with storage.

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A performance comparison of a nonlinear and a

generator on wind energy conversion system. IEEE-power Venkata Yaramasu, Bin Wu; Predictive control of three-level systems. CRC Press

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increasingly important to improve and optimize renewable wind power forecasting can enable model predictive control of wind turbines

Stochastic predictive control of battery energy

Abstract. The limited dispatchability of wind energy poses a challenge to its increased penetration. One technically feasible solution to this challenge is to

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Over the past decade, a number of books on power converters, wind energy systems and predictive control have been published. However, there are no books that provide

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The large-scale use of wind power generation continues to be hindered due to its intermittency. Among the potential solutions to this problem, the adoption of battery

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Energy engineering, energy technology, power engineering Energy Conversion and Management. 49, Information and control systems. 3(34), 2008, p. 23

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