Contents

Determining Capacity Credit for Wind Used in MISO Resource Adequacy ............................................. 1
Brandon Heath, Charles Tyson and John Lawhorn

Wind Power Scenario Tree Tool: Development and Methodology . . . . 13
Colm Lowery and Mark O’Malley

Probabilistic Ramp Detection and Forecasting for Wind Power Prediction ............................................. 29
C. Ferreira, J. Gama, V. Miranda and A. Botterud

Application of Hourly Time Series Models in Day-ahead Wind Power Commitment .................................. 45
Suman Thapa, Rajesh Karki and Roy Billinton

Probabilistic Guarantees for the N-1 Security of Systems with Wind Power Generation .................................. 59
Maria Vrakopoulou, Kostas Margellos, John Lygeros and Göran Andersson

Adequacy and Security Measures in Integrated Intermittent Renewable Generation Systems ............................. 75
Wijarn Wangdee, Roy Billinton and Wenyuan Li

Representation of Wind and Load Correlation in Non-Sequential Monte Carlo Reliability Evaluation .................. 91
Carmen L. T. Borges and Julio A. S. Dias

Composite Reliability Assessment of Power Systems with Large Penetration of Renewable Sources ................. 107
Armando M. Leite da Silva, Luiz Antônio F. Manso, Silvan A. Flávio, Mauro A. da Rosa and Leonidas C. Resende
Reliability and Risk Evaluation of Wind Integrated Power Systems
2013, XIV, 128 p., Hardcover
ISBN: 978-81-322-0986-7