REFERÊNCIAS

Abad, G., Lopez, J., Rodriguez, M., Marroyo, L., & Iwanski, G. (2011). *Doubly fed induction machine: modeling and control for wind energy generation.* New Jersey: John Wiley & Sons.

Alexiadis, M., Dokopoulos, P., Sahsamanoglou, H., & Manousaridis, I. (1998). Short-term forecasting of wind speed and related electrical power. *Solar Energy*, 61-68. Fonte: https://doi.org/10.1016/S0038-092X(98)00032-2

Associação Brasileira de Energia Eólica. (24 de August de 2018). *ABEEólica - Associação Brasileira de Energia Eólica*. Acesso em 16 de January de 2019, disponível em Eólica: energia para um futuro inovador: http://abeeolica.org.br/energia-eolica-o-setor/

Barbounis, T., & Theocharis, J. (2007). A Locally Recurrent Fuzzy Neural Network with Application to the Wind Speed Prediction Using Spatial Correlation. *Neurocomputing*, 1525-1542. Fonte: https://doi.org/10.1016/j.neucom.2006.01.032

Bhaskar, K., & Singh, S. (2012). AWNN-assisted wind power forecasting using feed-forward neural network. *IEEE Transactions on Sustainable Energy*, 306-315.

Bloom, A., Helman, U., Holttinen, H., Summers, K., Bakke, J., Brinkman, G., & Lopez, A. (2017). It's Indisputable: Five Facts about Planning and Operating Modern Power Systems. *IEEE Power and Energy Magazine*.

California ISO. (2019). *California ISO*. Fonte: California ISO: http://www.caiso.com/Pages/default.aspx

Conto, J. (2012). Grid challenges on high penetration levels of wind power. *IEEE Power and Energy Society General Meeting.*

Damousis, I. G., Alexiadis, M. C., Theocharis, J. B., & Dokopoulos, P. S. (2004). A fuzzy model for wind speed prediction and power generation in wind parks using spatial correlation. *IEEE Transactions on Energy Conversion*, 352-361.

Danish TSO. (2018). *Model Anaysis of Flexibility of the Danish Power System.* ENERGINET. Fonte: https://ens.dk/sites/ens.dk/files/Globalcooperation/Publications_reports_papers/model_analysis_of_flexibility_of_the_danish_power_system.2018.05.15.pdf

Dongmei, Z., Yuchen, Z., & Xu, Z. (2011). Research on wind power forecasting in wind farms. *2011 IEEE Power Engineering and Automation Conference* (pp. 175-178). Wuhan: IEEE. Fonte: https://ieeexplore.ieee.org/abstract/document/6134829

Earnest, J., & Wizelius, T. (2011). *Wind power plants and project development.* PHI Learning Pvt. Ltd.

Erdem, E., & Shi, J. (2011). ARMA based approaches for forecasting the tuple of wind speed and direction. *Applied Energy*, 1405-1414. Fonte: https://doi.org/10.1016/j.apenergy.2010.10.031

European Wind Energy Assocation and Others. (2012). *Wind energy-the facts: a guide to the technology, economics and future of wind power.* Routledge.

GLOBAL WIND ENERGY COUNCIL. (2018). *Global Wind Report 2017.*

Hau, E. (2006). *Wind Turbines* (2 ed.). Berlin: Springer.

Heier, S. (2014). *Grid integration of wind energy: onshore and offshore conversion systems.* John Wiley & Sons.

Khalid, M., & Savkin, A. V. (2010). A model predictive control approach to the problem of wind power smoothing with controlled battery storage. *Renewable Energy*, 1520-1526.

Lange, M., & Focken, U. (2008). New Developments in Wind Energy Forecasting. *2008 IEEE power and energy society general meeting-conversion and delivery of electrical energy in the 21st century* (pp. 1-8). Pittsburgh: IEEE. Fonte: https://ieeexplore.ieee.org/abstract/document/4596135

Lei, M., Shiyan, L., Chuanwen, J., Hongling, L., & Yan, Z. (2009). A Review on the Forecasting of Wind Speed and Generated Power. *Renewable and Sustainable Energy Reviews*, 915-920. Fonte: https://www.sciencedirect.com/science/article/pii/S1364032108000282?casa_token=HJYutfEitWoAAAAA:AeNtd-5M4RF2OmYxDchI9-GwV4fS2CWeApB_gTgjT9LB64slmfl6Czc84jzPxz7R-Ne0v8hYeRfcA

Li, S., Wunsch, D. C., O'Hair, E. A., & Giesselmann, M. G. (2001). Using neural networks to estimate wind turbine power generation. *IEEE Transactions on energy conversion*, 276-282.

Ling-ling, L., Li, J.-H., He, P.-J., & Wang, C.-S. (2011). The Use of Wavelet Theory and ARMA Model in Wind Speed Prediction. *2011 1st International Conference on Electric Power Equipment-Switching Technology* (pp. 395-398). Xi'an: IEEE. Fonte: https://ieeexplore.ieee.org/abstract/document/6123016

Lins, F., Lima, F., Vieira, R., Oliveira, G., Freitas, Y., & Tenório, R. (2018). Desafios da Operação, em Tempo Real, do Sistema Elétrico Brasileiro com a Inserção da Geração Eólica. *XIV SYMPOSIUM OF SPECIALISTS IN ELECTRIC OPERATIONAL AND EXPANSION PLANNING.* Recife.

Lourenco, L. F., Salles, M. B., & Monaro, R. M. (2018). Technical Cost of Operating a Photovoltaic Installation as a STATCOM at Nighttime. *IEEE Transactions on Sustainable Energy*, 75-81.

Loutan, C. (2018). *Briefing on renewables and recent grid operations*. California ISO.

Matevosyan, J. (2018). *Integration of Renewable Generation in ERCOT*. ERCOT. Fonte: http://nepp.se/pdf/Renewable_ERCOT_Matevosyan.pdf

MathWorks. (2019). *MathWorks*. Acesso em 7 de June de 2019, disponível em Wind Farm (DFIG Phasor Model): https://www.mathworks.com/help/physmod/sps/examples/wind-farm-dfig-phasor-model.html

MathWorks. (2019). *MathWorks*. Acesso em 7 de June de 2019, disponível em Wind Farm - DFIG Average Model: https://la.mathworks.com/help/physmod/sps/examples/wind-farm-dfig-average-model.html?searchHighlight=power_wind_dfig_avg&s_tid=doc_srchtitle

MathWorks. (2019). *MathWorks*. Acesso em 7 de June de 2019, disponível em Wind Farm - DFIG Detailed Model: https://la.mathworks.com/help/physmod/sps/examples/wind-farm-dfig-detailed-model.html?searchHighlight=power_wind_dfig_avg&s_tid=doc_srchtitle

Munteanu, I., Cutululis, N. A., Bratcu, A. I., & Ceangă, E. (2005). Optimization of variable speed wind power systems based on a LQG approach. *Control engineering practice*, 903-912.

Nycander, E., & Söder, L. (2018). Review of European Grid Codes for Wind Farms and Their Implications for Wind Power Curtailments. *17th International Wind Integration Workshop*. Stockholm.

Orrell, A., Foster, N., Morris, S., Homer, J., Preziuso, D., & Poehlman, E. (2018). *2017 Distributed Wind Market Report*. U.S. Department of Energy.

Palomares-Salas, J., De La Rosa, J., Ramiro, J., Melgar, J., Aguera, A., & Moreno, A. (2009). ARIMA vs. Neural networks for wind speed forecasting. *2009 IEEE International Conference on Computational Intelligence for Measurement Systems and Applications* (pp. 129-133). Hong Kong: IEEE. Fonte: https://ieeexplore.ieee.org/abstract/document/5069932

Price, T. J. (2005). James Blyth - Britain's First Modern Wind Power Pioneer. *WIND ENGINEERING, 29*, 191-200. doi:10.1260/030952405774354921

Quéval, L., & Ohsaki, H. (2012). Back-to-back converter design and control for synchronous generator-based wind turbines. *2012 International Conference on Renewable Energy Research and Applications (ICRERA)* (pp. 1-6). Nagasaki: IEEE.

Renewable Energy Policy Network for the 21st Century. (2018). *Renewables 2017: Global Status Report.* REN21.

Renewable Energy Vermont. (28 de 03 de 2019). *The Story of Grandpa's Knob: How Vermont made wind energy history*. Fonte: Vermont Biz: https://vermontbiz.com/news/october/story-grandpa%E2%80%99s-knob-how-vermont-made-wind-energy-history

Sguarezi Filho, A. J., & Ruppert Filho, E. (2012). Model-based predictive control applied to the doubly-fed induction generator direct power control. *IEEE Transactions on Sustainable Energy, 3*, 398-406.

Sguarezi Filho, A. J., de Oliveira, A. L., Rodrigues, L. L., Costa, E. C., & Jacomini, R. V. (2018). A robust finite control set applied to the DFIG power control. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, 1692-1698.

Slootweg, J., Polinder, H., & Kling, W. (2003). Representing Wind Turbine Electrical Generating Systems in Fundamental Frequency Simulations. *IEEE Transactions on Energy Conversion*.

Soman, S. S., Zareipour, H., Malik, O., & Mandal, P. (2010). A review of wind power and wind speed forecasting methods with different time horizons. *North American Power Symposium 2010* (pp. 1-8). Arlington: IEEE. Fonte: https://ieeexplore.ieee.org/abstract/document/5619586

Tsai, C.-H., & Gülen, G. (2017). *The ERCOT Experience with Integrating Renewables.* Austin: International Association for Energy Economics. Fonte: https://www.iaee.org/en/Publications/newsletterdl.aspx?id=417

U.S. Department of Energy. (2019). *DOE Global Energy Storage Database*. Fonte: DOE Global Energy Storage Database: https://www.energystorageexchange.org/

Wagner, R., Courtney, M., Gottschall, J., & Lindelöw-Marsden, P. (2011). Accounting for the speed shear in wind turbine power performance measurement. *Wind Energy*.

Woodfin, D. (2016). *Wind Forecasting at ERCOT*. ERCOT.

Wu, Y.-K., & Hong, J.-S. (2007). A literature review of wind forecasting technology in the world. *2007 IEEE Lausanne Power Tech* (pp. 504-509). Lausanne: IEEE. Fonte: https://ieeexplore.ieee.org/abstract/document/4538368/

Xin, Y., Zhang, B., Zhai, M., Li, Q., & Zhou, H. (2018). A smarter grid operation : New energy management systems in China. *IEEE Power and Energy Magazine*.

Yuan-Kang, W., Ching-Ying, L., Shao-Hong, T., & Yu, S.-N. (2010). Actual experience on the short-term wind power forecasting at Penghu—From an island perspective. *2010 International Conference on Power System Technology* (pp. 1-8). Hangzhou: IEEE. Fonte: https://ieeexplore.ieee.org/abstract/document/5666619

Zhao, X., Wang, S., & Li, T. (2011). Review of evaluation criteria and main methods of wind power forecasting. *Energy Procedia*, 761-769. Fonte: https://www.sciencedirect.com/science/article/pii/S187661021101928X