

References

- [1] Sri Lanka Sustainable Energy Authority, "Sri Lanka Energy Balance 2012," 2015. [Online]. Available: <http://www.energy.gov.lk>. [Accessed 12 10 2017].
- [2] R. George, C. Gueymard, D. Heimiller, B. Marion and D. Renne, "Solar Resource Assesment for Sri Lanka and Maldives," National Renewable Energy Laboratory, 2003.
- [3] "Surface meteorology and Solar Energy," 2005. [Online]. Available: <https://eosweb.larc.nasa.gov/sse/>. [Accessed 02 12 2014].
- [4] CEB, "Power Generation Plan 2018-2037," Ceylon Electricity Board, 2018.
- [5] UNDP, "ASsesment of Sri Lnka's power sector," Asian Development Bank and UNDP, Colombo, 2017.
- [6] S. A. Kalogirou, *Solar Energy Engineering Processes and Systems*, 2 ed., Kidlington: Acedemic Press, 2014.
- [7] R. P. Thomas E. Hoff, "Quantifying PV Power Output Variability," *Solar Energy*, vol. 84, no. 10, pp. 1782-1793, 2010.
- [8] Electric Power Research and Development Center CHUBU Electric Power Company, "Analysis and Forecast of PV Power Variation," CHUBU Electric Power Company, Nagoya, 2012.
- [9] World Meteorological Organization, "International Cloud Atlas," 22 March 2017. [Online]. Available: www.cloudatlas.wmo.in. [Accessed 10 September 2018].
- [10] Department of Meteorology United Kingdom, "MetOfiice," [Online]. Available: www.metoffice.gov.uk. [Accessed 10 September 2018].
- [11] D. Matuszko, "Influence of the extent and genera of cloud cover on solar radiation intensity," *International Journal of Climatology*, vol. 32, pp. 2403-2414, 2014.
- [12] R. Perez, E. Lorenz, S. Pelland, M. Beauharnois, G. Van Knowe, K. Hemker, D. Heinemann, J. Remund, S. Mu'ller, W. Traunmuller, G. Steinmauer, D. Pozo, J. Ruiz-Arias, V. Lara-Fanego, L. Ramirez-Santigosa, M. Gaston-Romero and L. Pomare, "Comparison of neumerical weather prediciotn solar irradiance forecasts in U.S, Canada and Europe," *Solar Energy*, vol. 94, pp. 605-326, 2013.
- [13] S. Pelland, J. Remund, J. Kleissl, Oozeki and K. De Brabandere, "Photovoltaic and Solar Forecasting: State of the Art. IEA PVPS Task 14 subtask 3.1," IEA-PVPS, 2013.
- [14] S. Campbell and F. Diebold, "Weather forecasting for weather derivatives," *Journal of the American statistical Association*, vol. 100, no. 469, pp. 6-16, 2005.

- [15] H. Madsen, P. Pinson, G. Kariniotakis, A. Nielsen H and T. Neilsen, "Standardizing the performance evaluation of short-term wind power prediction models," *Wind Energy*, vol. 29, no. 6, pp. 475-489, 2005.
- [16] R. Perez, K. J. Schlemmer, K. Hemker Jr, D. Renne and T. Hoff, "Validation of short and medium term operational solar radiation forecasts in the US," *Solar Energy*, vol. 84, no. 12, pp. 2161-2172, 2010.
- [17] R. Huang, T. Huang, R. Gadh and N. Li, "Solar generation prediction using the ARMA model in a laboratory-level micro-grid," in *Smart Grid 2012 IEEE Third International Conference Communications (SmartGridComm)*, 2012.
- [18] Y. Li, Y. Su and L. Shu, "An ARMAX model for forecasting the power output of a grid connected photovoltaic system," *Renewable Energy*, vol. 66, pp. 78-79, 2014.
- [19] Y. Chen, A. A. Thatte and L. Xie, "Multitime-scale data-driven spatiotemporal forecast of photovoltaic generation," *IEEE Transactions on Sustainable Energy*, vol. 6, no. 1, pp. 104-112, 2015.
- [20] J. ., Hornik, M. Stinchcombe and H. White, "Multilayer feedforward networks are universal approximators," *Neural Networks*, vol. 2, no. 5, pp. 359-366, 1989.
- [21] J. Anderson, *Introduction to Neural Networks*, Massachusetts: MIT Press, 1997.
- [22] J. Mubiru, "Predicting total solar irradiation values using artificial neural networks,," *Renewable Energy*, vol. 33, no. 10, pp. 2329-2332, 2008.
- [23] Z. Wang, Wang.F and S. Su, "Solar irradiance short term prediction model based on BP neural network," *Energy Procedia*, vol. 12, pp. 488-494, 2011.
- [24] A. Mellit and A. Pavan, "A 24-h forecast of solar irradiance using artificial neural network: Application for performance prediction of a grid-connected PV plant at Trieste, Italy," *Solar Energy*, vol. 84, pp. 807-821, 2010.
- [25] J. Liu, W. Fang, X. Zhang and C. Yang, "An improved photovoltaic power forecasting model with the assistance of aerosol index data," *IEEE Transaction on Sustainable Energy*, vol. 6, no. 2, pp. 434-442, 2015.
- [26] R. Yacef, M. Benghanem and A. Mellit, "Prediction of daily global solar irradiation data using Bayesian neural network: A comparative study," *Renewable Energy*, vol. 48, no. 15, pp. 146-154, 2012.
- [27] J. Cao and S. Cao, "Study of forecasting solar irradiance using neural networks with preprocessing sample data by wavelet analysis," *Energy*, vol. 31, no. 15, pp. 3435-3445, 2006.
- [28] D. Moore, W. Notz and M. Flinger, *The basic practice of statistics*, New York: W H Feeman and Company, 2013.