

Recommended readings for 2026 PhD Summer School in Remote Sensing

Chapter 3 Climatological and meteorological aspects of predicting offshore wind energy

Chapter 4 Atmospheric turbulence

Chapter 5 Introduction to continuous-wave

Chapter 6 Pulsed lidars

Chapter 9 Lidars and wind turbine control

Chapter 10 Lidars and wind profiles

of the 'Compendium of the PhD Summer School: Remote Sensing for Wind Energy' is available at http://orbit.dtu.dk/files/111814239/DTU_Wind_Energy_Report_E_0084.pdf

Chapter 2 Measurement methodologies for wind energy based on ground-level remote sensing in Sven-Erik Gryning, Torben Mikkelsen, Christophe Baehr, Alain Dabas, Paula Gomez, Ewan O'Connor, Lucie Rottner, Mikael Sjöholm, Irene Suomi, Nikola Vasiljevic: Renewable Energy Forecasting 1st Edition

Elsevier. <https://www.elsevier.com/books/renewable-energy-forecasting/kariniotakis/978-0-08-100504-0>

Chapter 4 A time-space synchronization of coherent Doppler scanning lidars for 3D measurements of wind fields in Vasiljevic, N 2014, A time-space synchronization of coherent Doppler scanning lidars for 3D measurements of wind fields. Ph.D. thesis, DTU Wind Energy. DTU Wind Energy PhD, no.

0027(EN) [http://orbit.dtu.dk/en/publications/a-timespace-synchronization-of-coherent-doppler-scanning-lidars-for-3d-measurements-of-wind-fields\(e2519d99-5846-4651-947d-38c287452366\).html](http://orbit.dtu.dk/en/publications/a-timespace-synchronization-of-coherent-doppler-scanning-lidars-for-3d-measurements-of-wind-fields(e2519d99-5846-4651-947d-38c287452366).html)

Airborne lidar at https://en.wikipedia.org/wiki/Lidar#Airborne_lidar

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Dagestad, K. F., Horstmann, J., Mouche, A., Perrie, W., Shen, H., Zhang, B., ... & Badger, M. (2012). Wind retrieval from synthetic aperture radar - an overview. In 4th SAR Oceanography Workshop (SEASAR 2012).

https://backend.orbit.dtu.dk/ws/files/59267621/SeaSAR2012_whitepaper_wind.pdf

GUM: Guide to the Expression of Uncertainty in Measurement

<http://www.bipm.org/en/publications/guides/gum.html>

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<https://backend.orbit.dtu.dk/ws/portalfiles/portal/3737370/ris-phd-45.pdf>

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