**Renewable Energy Engineering**

***Extended exercise 2.2***

***Use of wind speed data to demonstrate wind shear and determination of Weibull parameters***

Using the set of 10-minute mean wind data provided for Exercise 2.1:

1. Estimate the wind shear and compare the data with 1/7th power law.
2. Estimate the Weibull parameters of the data.

***Data and resources for extended exercise***

* Data: Ex 2\_1 Data.xlsx
* Explanation of data: Example 2.2 Wind resource explanation.ppt
* Example solution: Example 2.2 Example solution.ppt
* MATLAB files to give example solution