

## Curriculum Vitae

Title: Senior Scientist

Name: Kurt Schaldemose Hansen

Date of birth: 13. April 1952

Working address: Department of Mechanical Engineering, Fluid Mechanic Section, Niels Koppels Allé, DTU-B403, Technical University of Denmark, DK-2800 Lyngby

Private address: Nordbakken 9, 3400 Hillerød, Denmark

Marital status: Married, with two adult children

### Reference projects

2006- EU-TOPFARM; Remote sensing of wind climate inside wind farms,

2005- EU-UPWIND-Metrology; Evaluation of wind turbine measurement methods,

2005- Technical advisor for EnergiNet.DK on PSO applications,

2003- 2006 Technical manager of SODAR field evaluation program,

2000- 2005 Technical advisor for Elkraft system I/S and ELTRA on PSO applications,

1995- Technical assessor for Danish Accreditation, DANAK on wind turbine testing (site assessment, power curve, load measurement and blade testing),

1996- Responsible for "Database on Wind Characteristics" (huge database with wind field measurement time series),

1994-1998 WEGA-II large wind turbine scientific evaluation project,

1977-1993 Design and evaluation of 630, 750 & 2000 kW danish prototype wind turbines,

1977- Permanent position at the Department of Mechanical Engineering, Technical University of Denmark

### Education

1977 Mc.S. in Mechanical Engineering, DTH

## **Skills**

- Wind speed analysis
  - Wind resource calculations.
  - Extreme gust estimations.
- Wind turbine design
  - Aerodynamic design.
  - Aeroelastic load calculation.
- Wind turbine testing
  - Basic operational testing,
  - Site calibration (1 DANAK assessment),
  - Site assessments,
  - Remote sensing,
  - Power curve measurements (6 DANAK assessments),
  - Measurements and evaluation of mechanical loads (6 DANAK assessments),
  - Wind turbine blade testing (6 DANAK assessments),
  - Cup anemometer calibration (7 DANAK assessments).

*Updated: August 1, 2007 /ksh*