



## WakeNet3-Europe Specific Workshop on “Operational Wake Vortex Models”

7-8 November 2011

Organized by:

*Institute of Mechanics, Materials and Civil Engineering (iMMC), Division TFL,  
Université catholique de Louvain (UCL), 1348 Louvain-la-Neuve, Belgium.*

Location of the Workshop:

*Room Oleffe and Sénat Académique, Halles Universitaires, Place de  
l'Université 1.*

**Talks:** 35-40 minutes for presentation + 10-15 minutes for discussion, for a total of 50 minutes maximum.

**Day1 (November 7) in room Oleffe:**

- **10h00-10h40:** Welcome Coffee and Registration.
- **10h45-10h55:** Word of Welcome.
- **11h00-11h50:** Don Delisi, The VIPER Model (Vortex algorithm Including Parameterized Entrainment Results).
- **11h55-12h45:** Frank Holzäpfel, The Probabilistic Two-Phase Wake Vortex Decay and Transport Model: Recent Developments and Applications.
- **12h50-13h55:** Lunch.
- **14h00-14h50:** Grégoire Winckelmans, The WAKE4D Platform with the Deterministic wake Vortex Model (DVM) and the Probabilistic wake Vortex Model (PVM): Description and Applications.
- **14h55-15h45:** Matt Pruis, Development of a New Probabilistic Wake Vortex Prediction Model.
- **15h50-16h20:** Coffee and Refreshments.
- **16h25-17h15:** Zhao Hong-sheng, Wake Vortex Separation Reduction Systems and Large Eddy Simulation of Wake Vortex during Approach.
- **17h20-17h50:** Open Discussion and Day1Wrap-Up.
- **18h45-21h00:** Dinner at the Loungeatude.

## **Day2 (November 8) in Sénat Académique:**

- **09h15-09h55:** Coffee.
- **10h00-10h50:** Ivan De Visscher, Recent Improvement of Operational Models Concerning: the Modeling of In-Ground Effects; the Modeling of Atmospheric Stratification and Turbulence Effects.
- **10h55-11h45:** Dennis Vechtel, Development and Identification of an Analytical Wake Vortex Model Applying Vortex Line Geometries Derived from LES.
- **11h50-12h40:** David Bieniek or Robert Luckner, Application of Wake Vortex Models in Encounter Simulations.
- **12h45-13h55:** Lunch.
- **14h00-15h45:** Open Discussion and Workshop Wrap-Up.