



Supergen Wind Consortium

2nd Educational Seminar

Hosted By School of Electrical and Electronics Engineering, University of Manchester, Sackville Street, M60 1QD

Day one - Tuesday 3rd March 2009

- 10:30–10:45: Coffee
- 10:45–10:55: Welcome (Ian Cotton)
- 11:00–11:45: DFIG Modelling and Fault Analysis (Sinisa Durovic)
- 12:00–12:45: The Development of a Data Acquisition System for the Condition Monitoring of a Wind Turbine (Ammar Zaher)
- 13:00–14.30: Lunch
- 14:30–15:15: Wind Turbine Wake Effects on Wind Turbine Rotor Performance and Loading (Nektarios Bampalas).
- 15:30–16.15: Individual Pitch Control for Reduction of Unbalanced Rotor Loads (Victoria Neilson).
- 16:30–17:15: Computational Fluid Dynamics Modelling of Wind Flow In and Around Forested Areas (Scott Wylie).
- 19:30 : Dinner

Day two – Wednesday 4th March 2009

- 9:00–9:15: Coffee
- 9:15–10:00: Wind Farms Vs Navigational Radars – Modelling and Mitigation (Laith Danoon)
- 10:00–10:45: Data Analysis and FEA Modelling for Lightning on Wind Turbines (Vidyadhar Peesapati)
- 10:45–11:30: Advanced methods for reliability analysis and condition monitoring of wind turbines (Beth Jianping Xiang)
- 11:30–12:15: Blades Structural Modeling (Paul Bonnet)
- 12:15–13:30: LUNCH
- 13:30–14:15: Materials and Processing Issues for the Next Generation Wind Turbines (Payam Jamshidi)
- 14:30–15:15: Brief Review of Recent Achievements in Durham -- Wind Turbine Drive Train Condition Monitoring (Wenxian Yang)