

WIND TURBINE NOISE 2005 PROGRAMME

Monday 17 October: Propagation and Effects

09:00	REGISTRATION & COFFEE
09:35	Conference opening
09:40	A Review Of Wind Turbine Noise.....Klug
10:20	Human Response To Wind Turbine Noise - Annoyance and Moderating Factors.....Pedersen
10:40	How The "Mythology" Of Infrasound And Low Frequency Noise Related to Wind Turbines Might have Developed.....Leventhall
11:00	BREAK
11.20	Public Opinion Of A Proposed Wind Farm Situated Close To A Populated Area In New Zealand: Results From A Cross-Sectional StudyWatts
11.40	Masking Of Wind Turbine Sound By Vegetation Noise.....Bolin
12.00	Wind Turbine Noise Assessment In Australia And Comparison Of Software Model Predictions For Australian Conditions And Wind FarmsTickell
12.20	Modelling Of Noise From Wind Farms And Evaluation Of The Noise Annoyance.....Sloth
12:40	DISCUSSION
13:00	LUNCH
14:20	Prediction Of Wind Turbine Noise Propagation Over Complex Terrain In All Kinds Of Weather With Nord2000Kragh
14:40	Numerical Simulations Of Wind Fields Over The Baltic Sea With Applications To Sound Propagation.....Törnblom
15:00	Wind Gradient Statistics Up To 200 m Altitude Over Flat Groundvan den Berg
15:20	BREAK
15:40	A Detailed Study Of The Propagation And Modelling Of The Effects Of Low Frequency Seismic Vibration And Infrasound From Wind Turbines.....Styles
16:00	Underwater Noise Emissions Of Offshore Wind Turbines.....Neumann
16:20	Mapping Of Upwind And Downwind Airborne Noise PropagationGamba
16:40	The Use Of 10m Wind Speed Measurements In The Assessment Of Wind Farm Developments.....Botha
17:00	DISCUSSION
18:00	RECEPTION FOR DELEGATES AND PARTNERS

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Tuesday 18 October: Sources and Control

09:00	Informal gathering	
09:20	Understanding The Acoustical Behaviour Of A Wind Turbine By Means Of Acoustic Imaging.....	Haddad
09:40	Development Of Noise Reduction Technology For A 500 KW Prototype Wind Turbine.....	Henderson
10:00	Mitigation Measures For Night-Time Wind Turbine Noise	van den Berg
10:20	Analysis Of The Sound Characteristics Of Large Stall-Controlled Wind Power Plants In Inland Locations	Harders
10:40	DISCUSSION	
11:00	BREAK	
11:20	Two-Medium Theory Of Aerodynamic Sound Sources And The Practical Problems Of Wind Turbine Noise	Fedorchenko
11:40	Noise Measurements According To IEC 61400-11. How To Use The Results.....	Søndergaard
12:00	Noise Of Wind Power Turbine V80 In A Farm Operation.....	Golec
12:20	CFD-CAA Study Of Generic Savonius Wind Turbine Rotor.....	Timouchev
12:40	DISCUSSION	
13:00	LUNCH	
14:20	Regulation Of Wind Turbine Noise In The Western United States	Bastasch
14:40	Sirocco: Silent Rotors By Acoustic Optimisation.....	Schepers
15:00	Localisation And Quantification Of Noise Sources On A Wind Turbine	Oerlemans
15:20	BREAK	
15:40	Constrained Aerodynamic and Aeroacoustic Design Of Wind-Rotor Airfoils	Lutz
16:00	Trailing-Edge Noise Measurements Of Wind Turbine Airfoils In Open And Closed Test Section Wind Tunnels.....	Herrig
16:20	Performance And Noise From A Wall-Mounted Wind Mill Driving A Refrigerator/Heat Pump Unit.....	Asfar
16:40	DISCUSSION	
	END OF CONFERENCE	