



8th International Conference on Wind Turbine Noise

Day	Start	Session	Subject	Chair/Moderator
Tuesday	17:00		Reception and Registration to 20:00	
Wednesday EUROPA	09:00		Opening of Conference - Jorge Patricio, President of European Acoustics Association: President of Portuguese Acoustical Society	
	09:10	A	A - Tones and Vibration	Jorge Patricio
	11:20	B	B - Low Frequency and Amplitude Modulation	Payam Ashtiani
	14:00	C	C - Propagation - 1	Kristina Conrady
	16:00	D	D - Propagation 2	Sylvia Broneske
	17:20	E	E - Forum on Propagation	David Ecotiere
Thursday EUROPA	08:30	F	F - Assessment and Compliance	Matthew Cand
	11:00	G	G - Background Noise and Measurement	Pierre Dutilleux
	14:00	H	H - Impact on People - 1	Cecilia Rocha
	16:00	I	I - Impact on People - 2	Susanne Martens
	17:00	J	J - FORUM on Impact on People	David Colby
Thursday BRUXELAS	14:00	K	K - Source Prediction - 1	Thomas Carolus
	16:00	L	L - Source Prediction - 2	Wouter van der Velden
	17:40	M	M - FORUM on Source Prediction	Franck Bertagnolio
Thursday	20:00		Conference Dinner - Restaurant Monte Mar	
Friday EUROPA	08:30	N	N - Aerofoil Design	Kathrin Stahl
	10:30	O	O - Trailing Edge Noise Mitigation	Cordula Hornung
	12:10	P	P - FORUM on "Future Design of Low Noise Wind Turbines"	Michaela Herr
	13:50	Q	Q - Regulations	Frits van den Berg
	15:35	R	R - FORUM - "WHO Guidelines for Europe" - Principal Speaker David Michaud	Andy McKenzie
	16:25	S	S - FORUM - "Where Next"	Sabine von Hunerbein
	17:00		Conference Ends	

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Wednesday 12th June 2019 - EUROPA		
09:00	Opening of Conference - Jorge Patricio, President of European Acoustics Association: President of Portuguese Acoustical Society	
09:10	A - Tones and Vibration	Jorge Patricio
09:10	A comparison of standardized methods for prominence analysis of tonal components	Kobayashi
09:30	Advancements in continuous learning for tonality free turbine design	Gupta
09:50	Prominent tones in wind turbine noise - Round robin test of the IEC 61400-11 and ISO/PAS 20065 methods for analyzing tonality content	Sondergaard
10:10	Wind Farm Environmental Noise and Vibration Impact Analyses: Background, Construction, Assessment of Final Project Vibration	Brush
10:30	Discussion	
10:50	Break	
11:20	B - Low Frequency and Amplitude Modulation	Payam Ashtiani
11:20	How Critical is Low Frequency Noise for Micrositing?	Sorensen
11:40	Amplitude Modulation analysis - now and in the future	Cand
12:00	Long-term noise monitoring of wind turbine amplitude modulation	Feist
12:20	Time dependent changes in sound pressure levels caused by wind turbines at long distances	Kuhner
12:40	Discussion	
13:00	Lunch	
14:00	C - Propagation - 1	Kristina Conrady
14:00	Measuring and Analyzing the Sound Propagation of Wind Turbines	Martens
14:20	Noise propagation at short range farfield position investigated by simultaneous measurements in the nearfield and the farfield.	Christensen
14:40	Using Measured Sound Power Inputs for Comparison of Measured Immission Noise Levels and Sound Levels Predicted with ISO 9613-2 for Various Ground Factors	Clark (Ashtiani)
15:00	Sensitivity analysis of influential parameters for wind turbine noise	Kayser
15:20	Discussion	
15:30	Break	
16:00	D - Propagation 2	Sylvia Broneske
16:00	A proposal for the prediction of sound pressure levels due to wind turbine operation	Gonzales
16:20	Low-level wind maxima and their effect on wind turbine sound	Conrady
16:40	Wind turbine noise propagation in flat terrain for wind farm layout optimization frameworks	Sessarego
17:00	Discussion	
17:10	Short Break	
17:20	E - Forum on Propagation	David Ecotiere
18:20	Close	

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Thursday 13th June 2019 - EUROPA		
08:30	F - Assessment and Compliance	Matthew Cand
08:30	Measurement of wind turbine noise characteristics in receptor position - A new IEC Technical Specification	Broneske
08:50	Danish experiences with measuring wind turbine noise at neighbor dwellings.	Egedal
09:10	Atmospheric absorption in sound power measurements of wind turbines	Hansen
09:30	France - Germany: A Comparison of the Acoustic Assessment Procedures	Dutilleux
09:50	Noise Source Location in Wind Turbines	Alloza
10:10	Discussion	
10:30	Break	
11:00	G - Background Noise and Measurement	Pierre Dutilleux
11:00	A low wind noise microphone for wind turbine noise	von Hunerbein
11:20	Measuring infrasound from wind turbine: the benefits of a wind shielding dome	D'Amico
11:40	Is it possible to predict background noise levels from measured meteorological data with machine learning techniques?	Bigot
12:00	Does Background Noise Vary with Seasons?	PETIT
12:20	A study of background noise levels measured during far-field receptor testing of wind turbine facilities	Halstead
12:40	Discussion	
13:00	Lunch	
14:00	H - Impact on People - 1	Cecilia Rocha
14:00	Wind Turbines and Groundwater Contamination: An Analysis	Colby
14:20	Human Health Hazard - The Shirley Wind Story	Old
14:40	Self-reported health in the vicinity of five wind power areas in Finland	Turunen
15:00	Testing the human response to wind turbine emissions	Nelson (Lueker)
15:20	Discussion	
15:30	Break	
16:00	I - Impact on People - 2	Susanne Martens
16:00	Health effects of low frequency noise and infrasound from wind farms	Ecotiere
16:20	I can still hear it and it's making me ill	Leventhall
16:40	Discussion	
16:50	Short Break	
17:00	J - FORUM on Impact on People	David Colby
18:00	Close	

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Thursday 13th June 2019 - BRUXELAS		
	Plenary in EUROPA until Lunch	
14:00	K - Source Prediction - 1	Thomas Carolus
14:00	A Brief Study on Noise Propagation of Airfoils from Wind Turbines Using the Lattice Boltzmann Method	Rodriguez
14:20	Towards digital wind turbine noise certification	van der Velden
14:40	The Quasi-3D TE Rotor Noise Prediction Tool of the PNoise Code	Saab
15:00	Analyses of a high fidelity aero-servo-elastic process chain to assess low-frequency emissions from wind turbines	Wenz
15:20	Discussion	
15:30	Break	
16:00	L - Source Prediction - 2	Wouter van der Velden
16:00	Simulation of sound radiation of wind turbines using large-scale finite element models	Graetsch
16:20	Airfoil LE Noise prediction supplement for PNoise Code	Martuscelli Faria
16:40	Numerical study of aerodynamic radiated noise of a Coflow-Jet Vertical Axis Wind Turbine	Radulescu
17:00	A Wind Turbine Noise Code Benchmark - Round 1	Bertagnolio
17:20	Discussion	
17:30	Short Break	
17:40	M - FORUM on Source Prediction	Franck Bertagnolio
18:40	Close	
20:00	Conference Dinner - Restaurant Monte Mar	

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Friday 14th June 2019 - EUROPA		
08:30	N - Aerofoil Design	Kathrin Stahl
08:30	Aeroacoustic Optimization of a Small Wind Turbine - Methodology and Experimental Validation	Volkmer
08:50	Scales of turbulence on a wind turbine leading edge	Serre
09:10	Aeroacoustic Assessment of Wind Turbine Blade Tips	Herr
09:30	Development of design guidelines for low noise but high yield wind turbines	Hornung
09:50	Discussion	
10:00	Break	
10:30	O - Trailing Edge Noise Mitigation	Cordula Hornung
10:30	Numerical Investigation of Porous Trailing Edge Noise Reduction Mechanism using lattice-Boltzmann Method	Manegar
10:50	Experimental Investigation of Self-Aligning Trailing Edge Serrations for Airfoil Noise Reduction	Stahl
11:10	Measurement of sound efficiency of trailing edge serrations (TES) on wind turbines in the Jura mountains.	Falourd
11:30	Hydrodynamic Analysis of Trailing Edge Serrations with Blunt and Rounded Edges	Celik
11:50	Discussion	
12:00	Short Break	
12:10	P - FORUM on "Future Design of Low Noise Wind Turbines"	Michaela Herr
13:00	Lunch	
13:50	Q - Regulations	Frits van den Berg
13:50	Current regulations for the protection against noise from wind turbines in Germany	Bauerdorff
14:10	Applying a general noise regulation on Wind Turbines: an administrative interpretation to a specific noise source	Parra
14:30	WHO Environmental Noise Guidelines for the European Region conditional recommendation for wind turbine noise in the context of Australian regulations	Delaire
14:50	Discussion	
15:05	Break	
15:35	R - FORUM - "WHO Guidelines for Europe" - Principal Speaker David Michaud	Andy McKenzie
16:25	S - FORUM - "Where Next"	Sabine von Hunerbein
17:00	Conference Ends	