

TIME	VENUE	S09 (81)	S12 (50)	S01 (72)	MONDAY 26 June S02 (50)	Moderum 1 (111)	S04 (50)	S08 (45)	S10 (50)
09:30 - 10:00	OTICON HALL (450) OPENING of the Conference				Coffee will be available in the room				
10:00 - 10:15	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room
10.20		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Importance of correct coupling of meso- and micro-scale models for prediction of wind resources – application to the RUNE benchmark ", by: A. Peña	Mini Symposia: "Grid integration of wind power" - Grid Integration of Wind Power - status and challenges ", by: N.A. Cutululis	Rotor Performance & Power curves: Scattering of power curves of offshore wind turbines – A case study ", by: J. Hoerner	Mini Symposia: "Advances in design of large wind turbine rotors", Local buckling, three-dimensional stresses and progressive failure of root transition region of large composite wind turbine blades ", by: X. Chen	Wind Farm Flows: Characterising the coherent structures in large eddy simulations of windfarms ", by: M. Zhang	Turbulence & Loads: Wind tunnel investigation of turbulence characteristics in the atmospheric surface layer ", by: M.J. Emes	Wind Ressource Assessment: Development of a comprehensive data basis of scattering environmental conditions for offshore wind turbines ", by: C. Hübler	Fatigue: Friction torque of wind-turbine pitch bearings – comparison of experimental results with available models ", by: M. Stammier
10.40		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Wind resource assessment in the SEDAR project ", by: M. Avila	Mini Symposia: "Grid integration of wind power" - Power converters for meshed HVDC grids including offshore wind power plants ", by: O. Gomis-Bellmunt	Rotor Performance & Power curves: Rotor Power Curve Simulation and onsite Testing via Wind Estimator ", by: G. Zhang	Mini Symposia: "Advances in design of large wind turbine rotors", Super-Gaussian wind velocity increments and their impact on fatigue loads ", by: C.M. Schwarz	Wind Farm Flows: Real case simulations of offshore wind farm far wakes evaluated by air plane measurements ", by: S. Siedersleben	Turbulence & Loads: Predicting velocity space-time correlations in wind farms ", by: L. Lukassen	Wind Ressource Assessment: Validation of North Sea wind and weather in the WRF meteorological model ", by: P.C. Kalverla	Fatigue: Non-proportional multi-axial stress states and their influence on the fatigue life of trailing edge adhesive joints in wind turbine rotor blades ", by: P. Noever-Castelos
11.00		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Wake effect and energy production assessment with a methodology combining micro- and meso-scale models; comparison with SCADA data from an operating offshore wind farm ", by: G. Angot	Mini Symposia: "Grid integration of wind power" - Grid code testing by Voltage Source Converter ", by: O. Carlson	Rotor Performance & Power curves: Practical Comparison of IEC61400-12-1 Site Calibration Correction Methodologies ", by: G. Calvo	Mini Symposia: "Advances in design of large wind turbine rotors", The effects of manufacturing defects in wind turbine blades for durability, damage tolerance and reliability ", by: D. Cairns	Wind Farm Flows: Characterization of Taiwan Fuhai Offshore Wind farm Wake with Weather Prediction Mode ", by: C.Y. Kuo	Turbulence & Loads: A numerical efficient parametrization of turbulent wind-turbine flows for LES of different thermal stratifications ", by: A. Englberger	Wind Ressource Assessment: The influence of terrain complexity and measurement setup on the accuracy of ground based Doppler wind lidars ", by: T. Klaas	Fatigue: Fatigue of very large high-strength bolting assemblies in wind turbines ", by: R. Eichstädt
11.20		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Wind resource assessment by means of CFD method with atmospheric stability model ", by: S. Shi	Mini Symposia: "Grid integration of wind power" - Analysis of Inertial Response from Wind Turbines ", by: J.C. Kuhlmann	Rotor Performance & Power curves: Power curve measurement using nacelle lidar estimates of V infinity and its uncertainty ", by: A. Borraccino	Mini Symposia: "Advances in design of large wind turbine rotors", Application of magneto-rheological dampers to alleviate fatigue damage of jacket substructures for 20 MW wind turbines ", by: W. Njomo Wandji	Wind Farm Flows: Influence of gravity waves on upstream wind speed and power output in a large wind farm under varying stability ", by: D. Allaerts	Turbulence & Loads: Relating the wind farm power fluctuation spectrum to the space-time spectral properties of a turbulent boundary layer ", by: J. Bossuyt	Wind Ressource Assessment: Offshore winds from a new generation of European satellites ", by: M. Badger	Fatigue: Fatigue Assessment of Offshore Wind Energy Converters with Jacket Substructures using Virtual Sensing Method ", by: M. Henkel
11.40		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Comparison of FUROW wind flow model with WASP and OpenFoam on Gaussian hills ", by: J. Magdalena	Mini Symposia: "Grid integration of wind power" - Modeling Offshore Wind Farms and HVDC Grids as a Feedback Control System for Stability Analysis and Controller Design ", by: A. Bidadfar		Mini Symposia: "Advances in design of large wind turbine rotors", Dynamics of lift controlled wind turbine blade ", by: V. Jauret	Wind Farm Flows: Assessment of offshore wind park wake characteristics in the German bight using SENTINEL-1 TerraSAR-X ", by: B. Djath	Turbulence & Loads: Investigation of the Atmospheric Boundary Layer Characteristics for the Calculation of Wind Load on Wind Turbine Blades ", by: F. Ghanadi	Wind Ressource Assessment: Large Eddy Simulation of the Bolund hill using interior recycling boundary conditions ", by: N. Troldborg	Fatigue: FE-Modelling and Analysis of a Hybrid Wind-Turbine Tower for Fatigue Analysis and Remaining Life-Time Prediction ", by: A. Emiroglu
12:00 - 12:50	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
13.00		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - FUROWAKE: a new wake model for the estimation of wind farm energy production. Application to offshore wind farms ", by: E. Baché	Mini Symposia: "Grid integration of wind power" - Very fast transients in land based wind farms ", by: T. Abdulahovic		Mini Symposia: "Advances in design of large wind turbine rotors", Aerodynamic design and positioning of a leading edge slot for a wind turbine blade ", by: A. Manso Jaume	Wind Farm Flows: Large scale wind farm wakes and a wind-wave-wake coupled mesoscale modeling system ", by: P. Volker	Turbulence & Loads: Impact of turbulent fluctuations and mean shear on power output of a model wind turbine ", by: R.J. Hearst	Wind Ressource Assessment: Measurements of the wind turbine induction zone ", by: N.G. Nygaard	Fatigue: Damage loading distribution in a long array of flexible wind turbines ", by: A. Vitas
13.20		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Modelling atmospheric flow over complex terrain using an unsteady-RANS model forced by mesoscale model tendencies ", by: B.T. Olsen	Mini Symposia: "Grid integration of wind power" - Dynamic analysis of Kurdistan Electric Network in the presence of high penetration of wind power and determine an appropriate control solution ", by: M. Saleh		Mini Symposia: "Advances in design of large wind turbine rotors", Latest results from the EU project AVATAR: Aerodynamic modelling of 10 MW wind turbines ", by: J.G. Schepers	Wind Farm Flows: Wind Farm Blockage and Its Impact on Energy Production ", by: J. Blegg	Turbulence & Loads: Analysis of extreme wind events at Høvsøre and the effect on wind turbine loads ", by: Á. Hannesdóttir	Wind Ressource Assessment: Influence of wind field generation method on wind-turbine power production in forest region ", by: H. Abedi	Fatigue: 3D imaging of White Etching Cracks in Wind Turbines ", by: H.K. Danielsen
13.40		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - A CFD framework for wind farm simulation with wind turbine modeling over complex terrain ", by: M. Avila	Mini Symposia: "Grid integration of wind power" - Optimal Control of Wind Turbines in Active Distribution Networks ", by: M. Altin		Mini Symposia: "Advances in design of large wind turbine rotors", Design and Analysis of Airfoils for Large Wind Turbine Blades ", by: X. Munduate	Wind Farm Flows: Large-eddy Simulation of a Scaled Wind Farm in a Boundary Layer Wind Tunnel, Including the Passive Generation of Turbulence ", by: J. Wang	Turbulence & Loads: Transience statistics for fatigue load assessment ", by: P.J.M. Clive	Wind Ressource Assessment: Change in surface wind speed and its implication for wind energy over Taiwan simulated by WRF nested with ECHAMS/MP10M ", by: C.-Y. Lin	Fatigue: Fatigue and Static Failure of Curved Composite Laminates under Combined Moment/Axial Loading ", by: D. Coker
14.00		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Ryningsnäs Benchmark, a forested site modelled with different micro scale model approaches ", by: B. Witha	Mini Symposia: "Grid integration of wind power" - Asymmetrical Fault Analysis at the Offshore Network of HVDC conneted Wind Power Plants ", by: Ó. Göksu		Mini Symposia: "Advances in design of large wind turbine rotors", Optimal Low-Induction Rotor Design ", by: C.L. Kelley	Wind Farm Flows: Interaction between turbine wakes and complex terrain in large-eddy simulations ", by: J. Berg	Turbulence & Loads: How does turbulence change approaching the rotor? ", by: J. Mann	Turbulence & Loads: Reconstruction of Atmospheric Flow Field and Wind Resource Estimation based on Proper Orthogonal Decomposition Method ", by: T. Sevine	Fatigue: Fatigue life monitoring of offshore wind turbines ", by: W. Weijtjens
14.20		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - Sensitivity analysis and performance evaluation of the WRF model, to determine wind potential for the Mut Region in Turkey ", by: Y. Ezber			Mini Symposia: "Advances in design of large wind turbine rotors", An improved geometric stiffness model for faster multi-body blade simulations in Bladed ", by: W.J. Collier	Wind Farm Flows: Turbulent and Entrainment Length Scales in Large Wind Farms ", by: S.J. Andersen		Wind Ressource Assessment: Validation of Parallel WRF Downscaling Methodology using OpenFOAM ", by: E. Leblebici	Fatigue: Importance of Wind Shear in Assessment of Wind Turbine Fatigue Loads ", by: R.M.M. Slot

14.40		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - <i>"RANS simulations of flows above forest canopies of different topologies"</i> , by: R. Buhr			Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Aeroelastic stability and response analysis of bend-twist coupled composite wind turbine blades by considering compressibility effects"</i> , by: T. Farsadi			Wind Ressource Assessment: <i>"Accuracy of coastal wind speed gradients from Synthetic Aperture Radar by comparisons with scanning lidars"</i> , by: T.T. Ahsbahs	
15.00	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Benefits of sub-component over full-scale blade testing elaborated on a trailing edge bond line design validation"</i> , by: M. Rosemeier	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
15.20	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Verification of numerical modelling of VG flow by comparing to high Re PIV data"</i> , by: A. Charalampous	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
15.40		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - <i>"Bigger is better. Is it really?"</i> , by: A.N. Hahmann	Floating wind turbines & substructures: <i>"Single Point Mooring enables an unexpected benefit for floating wind turbine"</i> , by: M. Guyot	EAWA shapes its future: Strategy	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Optimal wind turbine aeroelastic rotor design with active flaps"</i> , by: M.K. McWilliam	Wind Tunnel Testing: <i>"The affect of varied aspect ratio on wind tunnel airfoil tests"</i> , by: J. Kiefer		Wind Ressource Assessment: <i>"The wind speed signature of varying sea surface temperature in the meso-scale model WRF"</i> , by: I. Karagali	
16.00		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - <i>"Downscaling of Wind Resources From Mesoscale Tendencies with URANS"</i> , by: R. Chávez Arroyo	Floating wind turbines & substructures: <i>"A Hierarchical Clustering Approach for Jacket Substructures for Offshore Wind Farms according to Location-Dependent Environmental Conditions"</i> , by: A. Ehrmann	EAWA shapes its future: Strategy	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Targeted Controls for a Segmented Ultralight Morphing Rotor"</i> , by: D.S. Zalkind	Wind Tunnel Testing: <i>"Matching High Reynolds Numbers: The Challenge for Wind Turbine Experiments"</i> , by: M.A. Miller		Wind Ressource Assessment: <i>"Validation of a wind resource assessment CFD model for complex terrain forested sites"</i> , by: H. Owen	
16.20		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - <i>"An Open Science Approach for Wind Energy V&V: The GABLS3 Case Study"</i> , by: P. Gancarski	Floating wind turbines & substructures: <i>"The physical and numerical modelling of a catenary mooring system for a floating wind turbine"</i> , by: C. Desmond	EAWA shapes its future: Strategy	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Load alleviation and upscaling of the INNWIND.EU and AVATAR rotors using automated design procedures"</i> , by: L. Sartori	Wind Tunnel Testing: <i>"Reproducing atmospheric like turbulent flows in wind tunnel experiments using active grids"</i> , by: L. Kröger		Wind Ressource Assessment: <i>"Large-eddy simulation study of effects of clearing in forest on wind turbines"</i> , by: J. Matsfelt	
16.40		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - <i>"Modified Weibull Scaling for Wind Resource Assessment"</i> , by: P.J.M. Clive	Floating wind turbines & substructures: <i>"Experimental study of the scaled DTU 10 MW TLP floating wind turbine"</i> , by: F.J. Madsen	EAWA shapes its future: Strategy	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"An Advanced Blade Modelling Approach"</i> , by: K. Branner	Wind Tunnel Testing: <i>"Test possibilities in the Poul la Cour Tunnel"</i> , by: C. Bak		Wind Ressource Assessment: <i>"Large-Eddy Simulation as a Tool for Site Assessment in Complex Environments"</i> , by: L. Böske	
17.00		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - <i>"High-resolution Wind Forecasting over Mountainous Terrains using WRF-LES"</i> , by: G. Kirkil	Floating wind turbines & substructures: <i>"Comparison between numerical and experimental study of the scaled DTU 10 MW TLP floating wind turbine"</i> , by: T.R.L. Nielsen	EAWA shapes its future: Strategy	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"From measurements to actionable insights - Calibration and measurement with intensive fiber-optic sensor instrumentation distributed in large rotor blades"</i> , by: M. Schmid	Wind Tunnel Testing: <i>"Experimental Study on the Near Wake Flow Characteristics of Fractal Turbulence Grids"</i> , by: H.A. Hazaveha		Wind Ressource Assessment: <i>"On The Occurrence of Roll Vortices in Wind Resource Assessment for a Complex Terrain Site"</i> , by: C. Nwabunike	
17.20		Mini Symposia: "Modelling of Wind Ressources and Siting Parameters" - <i>"Assessing the sensitivity of the WRF Wind Farm Parameterization"</i> , by: J.M. Tomaszewski	Floating wind turbines & substructures: <i>"Experiences with Froude Scaled Rotors for Model Scale Floating Wind Turbines"</i> , by: R.F. Mikkelsen	EAWA shapes its future: Strategy	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Bi-Axial Fatigue Testing of Large Rotor Blades"</i> , by: P. Greaves	Wind Tunnel Testing: <i>"Effects of Using Leading Edge Strakes on High Thickness Airfoil Wind Tunnel Testing"</i> , by: G. Tescione		Wind Ressource Assessment: <i>"Experimental Investigation of the impact of Inflow on the Flow Field Over a Coastal Escarpment"</i> , by: H. Hangan	
17.40			Floating wind turbines & substructures: <i>"Influence of non-linear material behaviour on the numerical simulation of axially loaded grouted connections"</i> , by: A. Raba	EAWA shapes its future: Strategy	Mini Symposia: "Advances in design of large wind turbine rotors", <i>"Analysing wind conditions leading to edge vibration on very large WT blades"</i> , by: C. Rodriguez				
18.00	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY

TIME	VENUE					TUESDAY 27 June			
	OTICON HALL (450)	S09 (81)	S12 (50)	S01 (72)	S02 (50)	Moderum 1 (111)	S04 (50)	S08 (45)	S10 (50)
09:00 - 10:00	"The Impact of Research on Cost Reductions in Wind Power" - by Henrik Stiesdal	Coffee will be available in the room						Coffee will be available in the room	
10:00 - 10:15	COFFEE + find the room	Mini Symposia: "Design and systems engineering of wind turbines and plants" - "IEA Wind Task 37 System Modeling Framework and Ontology for Wind Turbines and Plants", by: K. Dykes	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	Wakes & Vortices: "Experimental study on the intermittency of fluid flow in a wind turbine wake", by: I. Neunaber	COFFEE + find the room
10:20		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "Development of layout optimization tool for wind farm in complex terrain: the FarmOpt project", by: W.Z. Shen	Turbine Plant Control: "Dynamic wind power plant simulator for wind farm controller testing", by: E.A. Bossanyi	Design & Optimization: "Airfoil boundary layer optimization towards HAWT aerodynamic efficiency by Genetic Algorithm", by: Y. Kim	Mini Symposia "Wind Energy Systems Operation and Maintenance" - "An integrated approach for smart monitoring, inspection and life-cycle assessment of wind turbines", by: B. Barahona	Mini Symposia: "WindFarm2017" - "Measurements and simulations of wind turbine wakes", by: J.K. Lundquist	Mini Symposia "Advances in Ducted Rotor Research" - "Fundamentals of Duct Design", by: P. Jamieson	Wakes & Vortices: "Effect of wake on wind turbine noise propagation", by: F. Ghanadi	Lidars: "Turbulence characterization from nacelle lidars", by: A.P. Diaz
10:40		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "IEA Task 37 3.X MW Land-Based Wind Turbine - Baseline Configuration and Advanced Rotor Designs", by: P. Bortolotti	Turbine Plant Control: "A closed-loop wind farm control framework for maximization of wind farm power production", by: M. Vali	Design & Optimization: "Comparison of Two Alternative Approaches for the Design of Sub-Scale Models on Very Large Wind Turbines", by: H. Canet	Mini Symposia "Wind Energy Systems Operation and Maintenance" - "Use dynamic reliability simulation techniques to optimize maintenance strategies for wind farm OpEx reduction", by: B. Liu	Mini Symposia: "WindFarm2017" - "The role of atmospheric turbulence on wind turbine wakes", by: F. Porté-Agel	Mini Symposia "Advances in Ducted Rotor Research" - "Aerodynamic Design of a Diffuser Augmented Wind Turbine", by: H.W.M. Hoeijmakers	Wakes & Vortices: "Extraction of the wake induction and the angle of attack from experimental results", by: I. Herráez	Lidars: "Atmospheric Boundary Layer Turbulence Measurements Using Specialized Doppler Radar Technology", by: J.B. Duncan Jr.
11:00		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "Simulation and Optimization of an Airfoil with Leading Edge Slat", by: M. Schramm	Turbine Plant Control: "Optimal coordinated control of wind-farm boundary layers in large-eddy simulations: intercomparison between dynamic yaw control and dynamic induction control", by: W. Munters	Design & Optimization: "Design of a Spar for a Fabric-covered Wind Turbine Blade", by: J.-S. Bae	Mini Symposia "Wind Energy Systems Operation and Maintenance" - "Advanced Diagnosis of Doubly Fed Induction Generators for Wind Turbines", by: E. Artigao	Mini Symposia: "WindFarm2017" - "Measurement of flow and wakes at wind farms in complex terrain", by: R.J. Barthelmie	Mini Symposia "Advances in Ducted Rotor Research" - "High-Lift Low Reynolds Number Aerofoils With Specified Pressure Drop for Ducted Wind Turbine", by: J. Tang	Wakes & Vortices: "Blind test 5" - The wake behind a yawed wind turbine model", by: F. Mühle	Lidars: "Predicting free-stream wind speed in complex terrain with lidar measurements", by: A.R. Meyer Forsting
11:20		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "Design driving load cases for a 2.1MW downwind turbine", by: G. Wanke	Turbine Plant Control: "Optimal coordinated control of wind-farm boundary layers in large-eddy simulations: analysis of optimal induction control and progress towards practical control strategies", by: J. Meyers	Design & Optimization: "A New Wind Turbine Blade Optimization Framework", by: T. Macquart	Mini Symposia "Wind Energy Systems Operation and Maintenance" - "Hardware-in-the-loop wind-electric energy conversion emulation system", by: S. Pourkevannour	Mini Symposia: "WindFarm2017" - "Inflow conditions and wake effects for wind turbines in forested terrain", by: E. Delhwik	Mini Symposia "Advances in Ducted Rotor Research" - "Ducted wind turbine optimization: A numerical approach", by: V.V. Dighe	Wakes & Vortices: "Comparison between model-predicted and load-estimated wake interactions", by: J. Schreiber	Lidars: "Turbulence estimation from a continuous-wave scanning lidar (SpinnerLidar)", by: T.K. Mikkelsen
11:40		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "Realistic wind conditions for load assessment: alternatives to de-trending of time series", by: N.I. Dimitrov	Turbine Plant Control: "Can LES be used as online model for real-time wind farm power prediction and control?", by: P. Bauweraerts		Mini Symposia "Wind Energy Systems Operation and Maintenance" - "Advanced vibration signal processing on experimental wind turbine gearbox data", by: C. Peeters	Mini Symposia: "WindFarm2017" - "An Overview of US Department of Energy Wind Farm Research", by: P. Moriarty	Mini Symposia "Advances in Ducted Rotor Research" - "Diffuser Efficiency on Wind Turbine Performance", by: D.H. Wood	Wakes & Vortices: "Parameter Uncertainty Reduction of the Re-calibrated Larsen Wake Model", by: T. Göçmen	Lidars: "Learning from Mistakes: Designing Scanning Lidar Atmospheric Experiments", by: N. Vasiljević
12:00 - 12:50	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
13:00		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "OWFgraph: A graph database for the offshore wind farm domain", by: E. Quaegebeur	Turbine Plant Control: "Fatigue loads mitigation in multi-mega-watt wind turbines using output regulation control and LIDAR wind measurements", by: A. Mahdizadeh	Economic Aspects: "A Dynamic Function for the Energy Return on Investment (EROI) of Wind Energy", by: E. Dupont	Mini Symposia "Wind Energy Systems Operation and Maintenance" - "Failure Behaviour of Wind Turbine Components and the Influence of Environmental Conditions", by: M. Reder	Mini Symposia: "WindFarm2017" - "Analytical formulation of body forces in actuator disc computations of wind turbines", by: J. N. Sørensen	Mini Symposia "Advances in Ducted Rotor Research" - "Design and Performance Parameters of a Ducted Wind Turbine", by: B.T. Helenbrook	Wakes & Vortices: "Horns Rev 2 offshore wind farm photo case with wakes observed in 2016", by: C.B. Hasager	Lidars: "A classical model wind turbine wake "blind test" revisited by remote sensing lidars", by: M Sjöholm
13:20		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "Simulation of a Bayesian Optimization Based Wind Farm Power Maximization Technique Using the Dynamic Wake Meandering Model", by: J. Kazda	Turbine Plant Control: "Realistic extreme event simulation of lidar-assisted individual pitch control", by: F. Haizmann	Economic Aspects: "Flexibility from Wind Power Plants: Regulatory Barriers and Business Opportunities in the Nordic Countries", by: K. Skytte	Mini Symposia "Wind Energy Systems Operation and Maintenance" - "Wind turbine performance monitoring by the use of SCADA data", by: E. González	Mini Symposia: "WindFarm2017" - "Effect of Atmospheric Stability State on Wind Turbine Loads and Near Wake", by: S. Schmitz	Mini Symposia "Advances in Ducted Rotor Research" - "A nonlinear and semi-analytical actuator disk method for ducted wind turbines with hubs of general shape", by: R. Bontempo	Wakes & Vortices: "Highly resolved Large-Eddy Simulation of wind turbine wakes", by: P. Bénard	Lidars: "OpenLidar in action - Integrating a scanner module into a robust lidar in a national funded research project", by: I. Würth
13:40		Mini Symposia: "Design and systems engineering of wind turbines and plants" - "Winglet dynamics: Optimization of rotor design and performance", by: A.A. Chabrowski	Turbine Plant Control: "Measurement and analysis of wind turbine component loads under yaw misalignment", by: K. Dykes	Economic Aspects: "Comparison of Levelized Cost of Energy of a 10 MW superconducting and magnetic pseudo direct drive generator targeted for the INNWIND.EU reference turbine", by: A.B. Abrahamsen	Mini Symposia "Wind Energy Systems Operation and Maintenance" - "Factors influential to offshore maintenance planning - Identifying uncertainties", by: H. Seyr	Mini Symposia: "WindFarm2017" - "Passive and Semi-active Tuned Mass Dampers for Load Reduction of Offshore Wind Turbines", by: M.A. Lackner	Mini Symposia "Advances in Ducted Rotor Research" - "Experimental Validation of a Ducted Wind Turbine Rotor Design Strategy", by: K.D. Visser	Wakes & Vortices: "An improved actuator line technique for LES studies", by: K.O. Dag	Lidars: "Lower Order Modelling of Wind Turbine Inflow with Short-Range Lidars", by: A.P.K. Sekar

14.00		Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"Aerodynamic Design of Optimal Blades for Variable Speed Horizontal Axis Wind Turbines by Using CST Method, BEM Theory and Genetic Algorithm"</i> , by: K. Karakas	Turbine Plant Control: <i>"Multivariable Feedforward Control of Wind Turbines Using Lidar"</i> , by: D. Schlipf		Mini Symposia "Wind Energy Systems Operation and Maintenance" - <i>"Performance Measurement System in Brazilian wind farms"</i> , by: M.O.A. González	Mini Symposia: "WindFarm2017" - <i>"Validation Framework for Wind Plant Modeling"</i> , by: J.W. Naughton	Mini Symposia "Advances in Ducted Rotor Research" - <i>"Power Output Performance of Clustered, Diffuser Augmented Wind Turbines - Multi Rotor System Using Wind-Lens Turbines"</i> , by: Y. Ohya	Wakes & Vortices: <i>"The PALM wind turbine model: An LES tool for modelling wind turbine wakes in the atmospheric boundary layer"</i> , by: B. Witha	Lidars: <i>"Calibrating lidars using a flywheel"</i> , by: M.S. Courtney
14.20		Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"Optimization on high-raise wind tower"</i> , by: H. Bai			Mini Symposia "Wind Energy Systems Operation and Maintenance" - <i>"Wind turbine machine health assessment and estimate of remaining useful life"</i> , by: L. Colone	Mini Symposia: "WindFarm2017" - <i>"Wind Farm Control Research at the National Renewable Energy Laboratory"</i> , by: P. Fleming	Mini Symposia "Advances in Ducted Rotor Research" - <i>"An Attempt to Validate Ducted Turbine Theories"</i> , by: S. McLaren-Gow	Wakes & Vortices: <i>"Comparing the wakes of two different model wind turbines in yawed condition"</i> , by: J. Schottler	Lidars: <i>"Development of a Dynamic Lidar Uncertainty Framework"</i> , by: J.F. Newman
14.40		Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"The Aerodynamic Wind Turbine Design Optimization Case Study for the IEA Task 37 on Wind Energy Systems Engineering"</i> , by: M.K. McWilliam			Mini Symposia "Wind Energy Systems Operation and Maintenance" - <i>"Response Deficit Analysis in Wind Farm Performance Monitoring"</i> , by: P.J.M. Clive	Mini Symposia: "WindFarm2017" - poster session - 1 min. lightning talks	Mini Symposia "Advances in Ducted Rotor Research" - <i>"Passive and active flow augmentation: from diffusers to multi-rotor machines"</i> , by: G.L. de Oliveira	Wakes & Vortices: <i>"Experimental Investigation of the Effects of Winglets on the Tip Vortex Behavior of a Model Horizontal Axis Wind Turbine using Particle Image Velocimetry"</i> , by: Y. Ostovan	Lidars: <i>"IEA Wind Task 32: Wind Lidar - Identifying and Mitigating Barriers to using Lidar for Wind Energy Applications"</i> , by: A. Clifton
15.00	COFFEE BREAK	Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"Lifetime cost evaluation of different wind turbine drive train configurations"</i> , by: F. Harzendorf	COFFEE BREAK	COFFEE BREAK	Mini Symposia "Wind Energy Systems Operation and Maintenance" - <i>"Wind Farm Management Models"</i> , by: N.Y. Yürüsen	COFFEE BREAK	Mini Symposia "Advances in Ducted Rotor Research" - <i>"Investigation on the validity of the classical BEM Theory applied to Diffuser Augmented Free Stream Turbines"</i> , by: A.L. Amarante Mesquita	COFFEE BREAK	COFFEE BREAK
15:20	COFFEE BREAK	Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"Optimization of the flexible hub connection for fatigue load reduction on two-bladed wind turbines"</i> , by: B. Luhmann	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
15.40		Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"An Online Digital Twin for Optimising Wind Farm Operations"</i> , by: V. Vanni		EAWC shapes its future: Finance	Mini Symposia "Wind Energy Systems Operation and Maintenance" - <i>"Optimal maintenance of wind power plants"</i> , by: Q. Yu	Mini Symposia: "WindFarm2017" - <i>"Extremum Seeking Control of Wind Turbines and Wind Farms"</i> , by: M.A. Rotea		Wakes & Vortices: <i>"Estimation of wind turbine wake advection speed by means of cross correlation of azimuthal meandering series"</i> , by: J.-J. Trujillo	Lidars: <i>"A novel approach to flow model turbulence validation using a long range pulsed lidar"</i> , by: A. Risan
16.00		Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"TOPFARM: framework for coupling models to address wind farm optimization challenges"</i> , by: D.R. Verelst		EAWC shapes its future: Finance	Mini Symposia "Wind Energy Systems Operation and Maintenance" - <i>"Structural monitoring for lifetime extension of offshore wind monopiles: Can strain measurements at one level tell us everything?"</i> , by: L. Ziegler	Mini Symposia: "WindFarm2017" - <i>"New directions in wind farm modeling and control"</i> , by: D. Gayme		Wakes & Vortices: <i>"On the kidney shape of the wake of a HAWT in yaw"</i> , by: T.J. Berdowski	Lidars: <i>"IEC wind resource assessment with lidars in complex terrain"</i> , by: O.E. Orhan
16.20		Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"Robust Design of Wake Steering Considering Directional Uncertainty"</i> , by: K. Dykes		EAWC shapes its future: Finance		Mini Symposia: "WindFarm2017" - <i>"Closed-Loop Wind Farm Control"</i> , by: J.-W. van Wingerden		Wakes & Vortices: <i>"Do wind turbines pose roll hazards to light aircraft?"</i> , by: J.M. Tomaszewski	Lidars: <i>"Velocity linear display (VLD) lidar methods"</i> , by: P.J.M. Clive
16.40		Mini Symposia: "Design and systems engineering of wind turbines and plants" - <i>"Aerostructural Design of the DTU 10 MW Wind Turbine Rotor Mk 2"</i> , by: F. Zahle		EAWC shapes its future: Finance		Mini Symposia: "WindFarm2017" - <i>"Proactive monitoring of an onshore wind farm through LIDAR, SCADA and RANS data"</i> , by: G.V. Lungu		Wakes & Vortices: <i>"Tip Vortices in the Actuator Line Model"</i> , by: L. A. Martinez-Tossas	Lidars: <i>"Rotor-effective wind speed estimated by a forward-looking lidar"</i> , by: D. Held
17.00	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY

18.30 Reception at the Copenhagen City Hall, Rådhuspladsen

TIME	VENUE	S09 (81)	S12 (50)	S01 (72)	WEDNESDAY 28 June S02 (50)	Møderum 1 (111)	S04 (50)	S08 (45)	S10 (50)
	OTICON HALL (450)								
09:00 - 10:00	"Wind Power – A technology enabled by power electronics" - by Frede Blaabjerg					Coffee will be available in the room			
10:00 - 10:15	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room	COFFEE + find the room
10:20		Mini Symposia "Wind Power Forecasting" - "The IEA Wind Task 36 on Wind Power Forecasting", by: G. Giebel	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "How can we use of seismometers advance the wind energy industry?", by: S.C. Pryor	Aero-Servo-Elasticity: "Comparison between a Chimera technique and sliding interfaces for fluid-structure interaction simulations of wind turbines", by: G. Santo	Mini Symposia "Measuring full-scale wakes with lidar" - "Characterizing wakes in complex terrain with lidar", by: R.J. Barthelmie	Mini Symposia: "WindFarm2017" - poster session	Mini Symposia "The socio-technical paradox of wind energy siting" - "Mapping of wind turbine ownership models in DK: Technical-Regulatory vs Collaborative approaches", by: T. Cronin	Aerodynamics: "Numerical Prediction of DU96 Airfoil Trailing-edge Noise using Detached-eddy Simulation", by: K. Cengiz	Materials: "Natural Fibre Reinforced Composites for Tropical Wind Turbines", by: D. Sundar
10:40		Mini Symposia "Wind Power Forecasting" - "High resolution NWP forecasting at Deutscher Wetterdienst", by: H. Frank	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Characteristics of Extreme Winds and Simulation Reconstruction of Island-Crossing Typhoons for Taiwan Fuhai Offshore Wind farms", by: C.Y. Kuo	Aero-Servo-Elasticity: "Reconstruction of simulated nonlinear Wind Turbine Blade Response in a quasi-linear modal space", by: M. Ozan Gözcü	Mini Symposia "Measuring full-scale wakes with lidar" - "Full-scale wake measurements with long-range lidar at the Perdigão 2017 experiment", by: N. Wildmann	Mini Symposia: "WindFarm2017" - poster session	Mini Symposia "The socio-technical paradox of wind energy siting" - "Reconciling wind farms with communities: How and for whom?", by: L.T. Clausen	Aerodynamics: "Electronic TellTale (E-penon) sensor to detect flow separation on wind-turbine's blades", by: A. Soulier	Materials: "Modelling of high cycle fatigue of coated high strength steel bolts", by: M.A. Eder
11:00		Mini Symposia "Wind Power Forecasting" - "Systematic errors and correlations in wind/PV forecasts", by: C. Sweeney	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "A Multiple Criteria Surface Model for Evaluating the Reliability of Wind Measurement Data: Application in Optimal Met Mast Siting in Complex Terrain and Data Assimilation", by: W. Wen	Aero-Servo-Elasticity: "High-resolution periodic mode shapes identification for wind turbines", by: R. Riva	Mini Symposia "Measuring full-scale wakes with lidar" - "Wake measurements in an offshore wind farm using dual-Doppler radars", by: N.G. Nygaard	Mini Symposia: "WindFarm2017" - poster session	Mini Symposia "The socio-technical paradox of wind energy siting" - "Danish Near Shore Wind Energy Case Studies in Law and Practice", by: B. Ram	Aerodynamics: "Extended Vortex Theory for Blade Element Analysis of HAWTs", by: D.H. Wood	Materials: "A multifunctional metallic surface produced by combined electroplating and deformation", by: T. Yu
11:20		Mini Symposia "Wind Power Forecasting" - "Impact of Targeted Measurements and Next-Generation Prediction Techniques on Short-Term Wind Ramp Forecasting in the Tehachapi Wind Resource Area of California", by: J.W. Zack	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Perdigão 2017: Multi-lidar wind measurements in complex terrain - Campaign design and preliminary data", by: R. Menke	Aero-Servo-Elasticity: "Do two-bladed turbines vibrate inherently more than three-bladed turbines?", by: M.H. Hansen	Mini Symposia "Measuring full-scale wakes with lidar" - "On the wake meandering, a french wind farm case", by: S. Aubrun	Mini Symposia: "WindFarm2017" - poster session	Mini Symposia "The socio-technical paradox of wind energy siting" - Panel discussion	Aerodynamics: "MIRAS - A Multi-Fidelity Vortex Solver for Wind Turbine Simulations", by: N.R. Garcia	Materials: "Surface gradient nanostructures produced by high energy shot peening in a gear steel", by: X. Huang
11:40		Mini Symposia "Wind Power Forecasting" - "The Second U.S. Wind Forecast Improvement Project (WFIP 2)", by: W. Shaw	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Spectral analysis of long term measurements of wind and turbulence from tall masts - land and sea based", by: E.L. Petersen		Mini Symposia "Measuring full-scale wakes with lidar" - "Fiels investigation on the influence of yaw misalignment and wind veer on the propagation of a wind turbine wake", by: M. Broom	Mini Symposia: "WindFarm2017" - poster session	Mini Symposia "The socio-technical paradox of wind energy siting" - Panel discussion	Aerodynamics: "Simulation of transient gusts on the NREL5 MW wind turbine using CFD", by: A. Länger-Möller	Materials: "The importance of heterogeneities in metals", by: D.J. Jensen
12:00 - 12:50	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
13:00		Mini Symposia "Wind Power Forecasting" - "Comparison of Wind Power Forecasting Results for Onshore and Offshore Wind Farms", by: U. Cali	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "The Østerild Balconies Experiment", by: I. Karagali	Icing: "Ice detection for smart de-icing of wind turbines", by: V. Berbyuk	Mini Symposia "Measuring full-scale wakes with lidar" - "Joint lidar-based wake steering campaigns at U.S. National Laboratories", by: P.A. Fleming		Mini Symposia "The socio-technical paradox of wind energy siting" - "Socio-economic aspects of wind energy", by: C. Desmond	Aerodynamics: "RANS Computation of 360° Polars for Wind Turbine Airfoils", by: G. Heilers	Materials: "Residual stresses and microstructural heterogeneities on the fatigue lifetime of ductile cast iron", by: Y. Zhang
13:20		Mini Symposia "Wind Power Forecasting" - "Studying various Wind Power Forecasting processes based on Ensemble Prediction Models", by: T. Esteoule	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Impact of the sea breeze on the vertical wind profile in coastal areas: Comparison between a Mediterranean and a North Sea site", by: A.M. Sempreviva	Icing: "Study on ice accretion computational model of wind turbine based on the direct force immersed boundary method", by: Q. Wang	Mini Symposia "Measuring full-scale wakes with lidar" - "Lidar wake tracking methods for closed-loop wind farm control", by: S. Raach		Mini Symposia "The socio-technical paradox of wind energy siting" - "Wind energy production processes: What matters in Izmir, Turkey?", by: B. Demir	Aerodynamics: "An Approach for CFD-based Dynamic Inflow Modelling in BEM", by: M. S. Schneider	Materials: "X-ray Tomography in DTU Wind Energy", by: S. Fæster
13:40		Mini Symposia "Wind Power Forecasting" - "Short- and medium-range predictions for wind speed wind power for a semicomplex terrain using artificial neural networks and ensemble calibration", by: I. Schicker	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Measuring wind resources from a ferry boat: the ferry experiment in NEWA", by: J. Gottschall	Icing: "Icing wind turbine wake structure analysis based on wind tunnel PIV experiment", by: J. P. Xiao	Mini Symposia "Measuring full-scale wakes with lidar" - "Wake measurements inside of an offshore wind farm with three long-range lidars", by: L. Vollmer		Mini Symposia "The socio-technical paradox of wind energy siting" - "Wind energy development in Ireland and Scotland and Denmark - a comparison", by: D.P. Rudolph	Aerodynamics: "Towards Large-Eddy Simulation of wind turbine airfoils", by: A. Frère	Materials: "Evaluation of the fatigue performance of UHPFRC in compression for the design of tall towers", by: C. Loraux
14:00		Mini Symposia "Wind Power Forecasting" - "Feature extraction techniques that improve wind power probabilistic forecasting", by: R.J. Bessa	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "First results from the Kassel forested hill experiment in the New European Wind Atlas", by: D. Callies	Icing: "Anti-icing/rain strategies using super-hydrophobic foils", by: V. Okulov	Mini Symposia "Measuring full-scale wakes with lidar" - "Robust and systematic analysis of lidar data for wake research", by: J.-J. Trujillo		Mini Symposia "The socio-technical paradox of wind energy siting" - "Design Considerations in Auctions for Onshore Wind Support", by: E. Rosenlund Soysal	Aerodynamics: "Numerical airfoil catalogue including 360° airfoil polars and aeroacoustic footprints", by: M. Imiela	Materials: "Influence of curing profile and fibre architecture on the fatigue resistance of composite materials for wind turbine blades", by: L.P. Mikkelsen

14.20		Mini Symposia "Wind Power Forecasting" - "Short-term power forecast optimization in connection with frontal passages", by: J. Thiesen	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Evolution and properties of Low Level Jet events over the southern North Sea", by: B. Witha	Icing: "Aerodynamic Effects of Ice Accretion on the NREL S826 Airfoil", by: J. Krøgenes	Mini Symposia "Measuring full-scale wakes with lidar" - "Different scanning strategies performed with a ground-based LiDAR for the characterization of multiple wind turbine wakes within an onshore wind farm", by: S. El-Asha		Mini Symposia "The socio-technical paradox of wind energy siting" - Panel discussion	Aerodynamics: "CFD predictions of airfoil deep stall performance using Improved Delayed Detached Eddy Simulation", by: N.S. Sørensen	Materials: "Tensile and fatigue properties of biaxial glass fibre/epoxy/nanocellulose composites", by: B. Madsen
14.40		Mini Symposia "Wind Power Forecasting" - "Application of copula vines for modelling spatial dependencies of wind power forecast uncertainty", by: R. Bessa	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Wind Science and Engineering Test Site in Complex Terrain – Realization Stages and Associated Research Opportunities", by: A. Clifton		Mini Symposia "Measuring full-scale wakes with lidar" - "Three-Dimensional Structure of Wind Turbine Wakes as Measured by Scanning Lidar", by: J.K. Lundquist		Mini Symposia "The socio-technical paradox of wind energy siting" - Panel discussion	Aerodynamics: "Experimental characterization of individual pitch controlled vertical axis wind turbine", by: B.P. LeBlanc	
15.00	COFFEE BREAK	COFFEE BREAK	Mini Symposia "Exp. Investigations of Wind Resourced and Siting Parameters" - "Lighthouse and buoys to measure the offshore wind resource", by: B. Conan	COFFEE BREAK	Mini Symposia "Measuring full-scale wakes with lidar" - "3D wake measurements from a scanning wind lidar in combination with a fast wind field reconstruction model", by: T. Mikkelsen	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
15.20	COFFEE BREAK	Mini Symposia "Wind Power Forecasting" - "Improved Wind Power Forecasting Using Turbine Level Data", by: C. Gilbert	COFFEE BREAK	COFFEE BREAK	Mini Symposia "Measuring full-scale wakes with lidar" - "A comparison of nacelle mounted scanning lidar based measurement methods for the detection and characterisation of wind turbine wake direction", by: G. Calvo	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
15.40		Mini Symposia "Wind Power Forecasting" - "The Impact of Power Curve Estimation on Commercial Wind Power Forecasting Error - An Empirical Analysis", by: G. Goretti		EAWE shapes its future: Events			Mini Symposia "The socio-technical paradox of wind energy siting" - "Integrated assessment of new wind power plants: optimal allocation and sizing", by: E. Dimitrova	Aerodynamics: "Improved Roughness Model for 2D Viscous-Inviscid Panel Methods", by: A.S. Olsen	
16.00		Mini Symposia "Wind Power Forecasting" - "Short-Term Wind Power Forecasting with Sparse and Adaptive Vector Auto Regression", by: J.W. Messner		EAWE shapes its future: Events			Mini Symposia "The socio-technical paradox of wind energy siting" - "High Resolution GIS-Based Scenario Analysis of Germany's Wind Power Potential", by: D. Callies	Aerodynamics: "An Engineering 2D Vortex-based Model for VAWT Aerodynamics", by: M. Gaunaa	
16.20		Mini Symposia "Wind Power Forecasting" - "Farm-scale operational wind power forecasting using linear combination of single NWP-based neural network algorithms", by: O. Yannier		EAWE shapes its future: Events			Mini Symposia "The socio-technical paradox of wind energy siting" - Panel discussion	Aerodynamics: "Tip and Root induction for a finite number of blades with reference to BEM", by: X. Munduate	
16.40		Mini Symposia "Wind Power Forecasting" - "Robust Forecast Error Correction Methods with Exponential Smoothing applied to Regional Wind Power", by: A. Braun		EAWE shapes its future: Events			Mini Symposia "The socio-technical paradox of wind energy siting" - Wrap-Up with audience participation	Aerodynamics: "Investigation on the unsteady flow separation of a very thick wind turbine airfoil", by: L. Zhang	
17.00	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY	END OF SCIENTIFIC PROGRAM FOR THE DAY

19.00 Conference Dinner at "Lokomotivværkstedet"

TIME	VENUE				THURSDAY 29 June		
	OTICON HALL (450)	S09 (81)	S12 (50)	S01 (72)	S02 (50)	S04 (50)	S08 (45)
		Coffee will be available in the room					
09:00		Mini Symposia "Wind Power Forecasting" - <i>"Improving grid safety through flexible weather and power prediction models based on stochastic and physical hybrid methods"</i> , by: A. Wessel	Mini Symposia "Lightning protection of wind turbines" - <i>"Improved Lightning Protection Concepts - Increasing the electrical conductivity of epoxy resin: Isopropic CFRP WT spars"</i> , by: O. Vryonis	Grid integration and the Energy system: <i>"Offshore windfarm connection meets interconnection; solving legal challenges to an offshore grid"</i> , by: C.T. Nieuwenhout	Mini Symposia "Anholt Offshore Wind Farm Wake Studies" - <i>"Introduction to Anholt Wind Farm"</i> , by: N.G. Nygaard	Turbine Control: <i>"Automatic detection and correction of pitch misalignment"</i> , by: M. Bertelè	Monitoring: <i>"Rotor Imbalance Detection from automated Ip analysis and measurement: Real case study during a long period for different large size WTG"</i> , by: T. Ferrand
09:20		Mini Symposia "Wind Power Forecasting" - <i>"Influence of wind power curtailments on short-term forecasting"</i> , by: D. Jost	Mini Symposia "Lightning protection of wind turbines" - <i>"Heat Response of Unipolar Lightning Impulse and DC current component conducted through CFRP Samples used for Wind Turbine Spar Caps"</i> , by: T.M. Harrell	Grid integration and the Energy system: <i>"Wind power in a stable and highly renewable Swiss power supply"</i> , by: B. Krutz	Mini Symposia "Anholt Offshore Wind Farm Wake Studies" - <i>"The effect of stability on the coastal gradients at the Anholt wind farm"</i> , by: P.J.H. Volker	Turbine Control: <i>"Model Predictive Control of Wind Turbines"</i> , by: M.N. Sinner	Monitoring: <i>"Long term and continuous monitoring of ocean meteorology mast oscillation"</i> , by: C.Y. Kuo
09:40		Mini Symposia "Wind Power Forecasting" - <i>"Very short-term wind speed forecast of coastal flow by dual-Doppler scanning lidar"</i> , by: L. Valldecabres	Mini Symposia "Lightning protection of wind turbines" - <i>"Improved current conducting capability of nanomodified CFRP for lightning protection of wind turbine blades"</i> , by: E.C. Senis	Grid integration and the Energy system: <i>"Needs for Flexibility in Energy Systems Caused by the Increasing Share of Variable Renewable Energy Generation in 2020, 2030 and 2050 Scenarios"</i> , by: M. Koivisto	Mini Symposia "Anholt Offshore Wind Farm Wake Studies" - <i>"Analysis of Anholt offshore wind farm SCADA measurements"</i> , by: K.S. Hansen	Turbine Control: <i>"Active flap controllers applied on the OffshoreWindChina (OWC) 5MW reference wind turbine for Chinese typhoon conditions"</i> , by: A. Barlas	Monitoring: <i>"SCADA-based thrust load estimation of existing offshore wind turbine"</i> , by: N. Noppe
10:00		Mini Symposia "Wind Power Forecasting" - <i>"Advanced load prediction by inclusion of accurate forecasting of distributed solar PV installations"</i> , by: H.-P. Waldl	Mini Symposia "Lightning protection of wind turbines" - <i>"High Current Full Scale Testing as Fundamental Element to Ensure Wind Turbine Reliability"</i> , by: S. Vogel		Mini Symposia "Anholt Offshore Wind Farm Wake Studies" - <i>"Anholt offshore wind farm winds investigated from satellite images"</i> , by: C.B. Hasager	Turbine Control: <i>"Analysis of Wind Turbine Loading during Short-term Overproduction"</i> , by: M. Altin	Monitoring: <i>"Development, Lessons Learned and Further Improvements of an Optical Wind Turbine Monitoring System"</i> , by: S. Lehnhoff
10:20	COFFEE BREAK	Mini Symposia "Wind Power Forecasting" - <i>"Integration of probabilistic renewable energy forecasting in power system operational planning: a success story"</i> , by: R.J. Bessa	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
10:40	COFFEE BREAK	Mini Symposia "Wind Power Forecasting" - <i>"Potentials and possibilities of dynamic line rating"</i> , by: T. Kanefendt	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
11:00		Mini Symposia "Wind Power Forecasting" - <i>"Increasing Transmission Capacities by dynamic line rating based on CFD"</i> , by: C. Meissner		New Concepts: <i>"A Wind Solar Tower Harnessing Sunshine and Wind Energies"</i> , by: K. Watanabe	Mini Symposia "Anholt Offshore Wind Farm Wake Studies" - <i>"Simulating coastal effects on an offshore wind farm"</i> , by: M.P. van der Laan	Turbine Control: <i>"Control-assisted detection of inertial and aerodynamic imbalance"</i> , by: S. Cacciola	Drive Train Modeling: <i>"Continuous modal behavior estimation of an offshore wind turbine drivetrain in the presents of harmonics"</i> , by: N. Gioia

11.20		Mini Symposia "Wind Power Forecasting" - "Short-term O&M Risk Management when using Cranes ", by: J. Browell		New Concepts: "Control design and optimization for the DOT500 hydraulic wind turbine ", by: S.P. Mulders	Mini Symposia "Anholt Offshore Wind Farm Wake Studies" - "On AEP prediction and wake modelling at Anholt ", by: A. Peña	Turbine Control: "Optimized activation of individual pitch controller ", by: B. Shrestha	Drive Train Modeling: "Multibody Dynamic Modelling of a Wind Turbine Direct Drive Train ", by: S. Asadia
11.40		Mini Symposia "Wind Power Forecasting" - "On the Application of Forecast Uncertainties in the Business Practices of Actors in the Power System Sector ", by: C. Möhrle		New Concepts: "Maximizing HAWTs energy capture with a circular disc at hub ", by: W.J. Zhu	Mini Symposia "Anholt Offshore Wind Farm Wake Studies" - "Final discussion ", by: all	Turbine Control: "Investigation of the blade mounted lidar use for feedforward individual pitch and trailing edge flaps control in Large-Eddy Simulation ", by: R. Ungurán	
12.15 - 13.00	CLOSING of the Conference						
13:00	Grab a sandwich before you leave	Grab a sandwich before you leave	Grab a sandwich before you leave	Grab a sandwich before you leave	Grab a sandwich before you leave	Grab a sandwich before you leave	Grab a sandwich before you leave
13.00 - 18.00				EAWA Assembly			