

WINDFARMS2017 Revised Paper Assignment to Sessions, Version of 25 May 2017						
#	Author	Title	Session	Subject	Chair	Day
	David Newbery	Irish, GB and EU policy towards wind and other renewat	Plenary 1		Ben Hobbs	Wed
	Erin Baker	Offshore Wind Energy: Where is it going, what can we do about it, and why should we ca	Plenary 2		Sara Lumbreras	Wed
	Willet Kempton	On-shore assembly for mass production and rapid deployment of offshore wind turbi	Plenary 3		Charles Meneveau	Thur
	Christopher Deni	Contribution of Variable Generation to Security of Supply: Models and Real Energy Syste	Plenary 4		Ben Hobbs	Thur
	Angel Chiarr	Wind Power integration in the Spanish Syste	Plenary 5		Andrés Ramo	Thur
	Sara Lumbreras	Offshore wind farm design: using optimization to extract its full val	Plenary 6		Andrés Ramo	Fri
1	Cynthia Bothwel	Statistical Models of Wind Capacity for System Adequac	1A	Planning & Markets	Cynthia Bothwel	Wed
2	Cristina Roldán	Robust Dynamic Transmission and Renewable Generation Expansion Planning: Walking Towards Sustainable Syste	1A	Planning & Markets	Cynthia Bothwel	Wed
3	Harry van der Weijde	Trade-offs in wind array siting: a multi-objective optimisation analy	1A	Planning & Markets	Cynthia Bothwel	Wed
1	Brent Eldridge	Closed Loop Interface and Voltage Constraints with Intermittent Wind Generat	1B	Electrotechnical	Brent Eldridge	Wed
2	Mónica Aragués Peñalba	Optimal reactive power flow for offshore wind power plar	1B	Electrotechnical	Brent Eldridge	Wed
3	Dennice Gayme	Evaluating the impacts of using energy storage to provide VAR suppo	1B	Electrotechnical	Brent Eldridge	Wed
1	Lorenzo Simons	Innovative Business Models for Wind Power Integration Using the Flexibility of Demand Resp	2A	Market & Regulation	Lorenzo Simons	Wed
2	Rafael Cossent	Squaring the Circle in RES Support Design: Incentivizing Efficient Investments through the Procurement of Capac	2A	Market & Regulation	Lorenzo Simons	Wed
3	João Gorenstein Dedecca	Governance Simulation for the Northern Seas Offshore Grid	2A	Market & Regulation	Lorenzo Simons	Wed
1	Wagguas Bukhsf	On selection of representative operating conditions for planning future investments in power syst	2B	Operation	Wagguas Bukhsf	Wed
2	Carl Shapirc	Wind farm control for power grid frequency Market & Regulatic	2B	Operation	Wagguas Bukhsf	Wed
3	Robin Broder Hytowit	Efficient Acquisition of Generation Reserves to Back-Up Wind: Possible Improvements in Dutch Electricity Market & Regulati	2B	Operation	Wagguas Bukhsf	Wed
1	Markus Lerch	Sensitivity analysis of floating foundations for offshore wind power pla	3A	Planning	Markus Lerch	Wed
2	Alberto Escalera	Impact of Wind Generation and Energy Storage on the Supply Reliability of Distribution Netwo	3A	Planning	Markus Lerch	Wed
3	Jorge Filipe	Coordinated Participation of Wind Farms and Variable Speed Pump Storage in Frequency Restoration Reserve Markets & Regulation	3A	Planning	Markus Lerch	Wed
1	Suvrajeet Sen	On the Impact of Wind Models on Economic Dispatch in Power Systems with Large-scale Renewable Resour	3B	Operation	Suvrajeet Sen	Wed
2	F.-Javier Heredia	A multistage stochastic programming model for the optimal management of wind-BESS virtual power plai	3B	Operation	Suvrajeet Sen	Wed
3	Sonja Woprir	Impact of fatigue cycling costs on CCGT operations in renewable heavy system	3B	Operation	Suvrajeet Sen	Wed
1	Cristina Archei	Integration of large amounts of offshore wind power in the U.S. electric gri	4A	Market & Regulation	Cristina Archei	Thur
2	Nils May	The Impact of Wind Power Support Schemes on Technology Choic	4A	Market & Regulation	Cristina Archei	Thur
3	Golbon Zakeri	Seamless integration of volatile renewable energy sources into an electricity Market & Regulati	4A	Market & Regulation	Cristina Archei	Thur
1	Kristen Schel	Synchronicity Assessment for Wind Farm Siting: Wind Drought Dynamics with System Loa	4B	Electrotechnical	Mikel De Prada	Thur
2	Mikel De Prada	Coordinated control of DFIG-based offshore wind power plant connected to a single VSC-HVDC operated at variable frequer	4B	Electrotechnical	Mikel De Prada	Thur
3	L. Egidc	Reduction of Wind Harvesting Network Power Losses by the Connection of Shunt Elemei	4B	Electrotechnical	Mikel De Prada	Thur
1	Caroline F. Paulin	Optimal Design of a Hybrid Power System in Fernando de Noronha Isla	5A	Planning	Caroline F. Paulin	Thur
2	Lukas Sigrist	Optimal Design of Medium Voltage Grids of Wind Farr	5A	Planning	Caroline F. Paulin	Thur
3	Gregorio Muñoz-Delgado	Distribution System Expansion Planning Considering Wind-Based Distributed Generat	5A	Planning	Caroline F. Paulin	Thur
1	Sven Kolkmann	Evaluating intra-day quantity risk of wind power products	5B	Operation	Sven Kolkmann	Thur
2	Leopoldo Cabrera	Probabilistic energy forecasting: Using statistical methods to predict wind medium-term outp	5B	Operation	Sven Kolkmann	Thur
3	José A. Sanchez-Espigares	Non-linear functional dependency between wind speed and power generation in wind farms by using Markov-Switching Mixture Models	5B	Operation	Sven Kolkmann	Thur
1	Emre Çelebi	A robust optimization approach for integrated transmission/generation investments and market equilibrium models under uncertain wind generation and deman	6A	Planning	Emre Çelebi	Thur
2	Qingxin Li	Integration of Wind Farms into the Power Grid through High Voltage Transmission Lines: Case Study of China and Gerr	6A	Planning	Emre Çelebi	Thur
3	David Pozo	Transmission Expansion Planning: A Distributionally Robust Optimization Appro	6A	Planning	Emre Çelebi	Thur
1	Rafael Espej	Generating Statistically Consistent Synthetic Power Networks for Testing Renewable Integration Moc	6B	Planning	Rafael Espej	Thur
2	Peyman Mazidi	Offshore Wind Farm Preventive Maintenance Scheduling in a Deregulated Power Syster	6B	Planning	Rafael Espej	Thur
3	Patrick Johannes Hendrik Volker	Efficiency of large wind farms: investigation of dependency on turbine technology and cluster layout	6B	Planning	Rafael Espejo	Thur
1	Patrick Maloney	Long Term Planning Generation and Transmission Co-Optimization Under High Wind Penetration Scena	7A	Market & Regulation	Patrick Maloney	Fri
2	Till-S. Bunsel	How tender design affects low bid prices in renewable auctions for offshore w	7A	Market & Regulation	Patrick Maloney	Fri
3	Hamid Zareipour	Estimating the Price Impact of Proposed Wind Farms in Competitive Electricity Market & Regulatic	7A	Market & Regulation	Patrick Maloney	Fri
1	Sara Siniscalchi-Minna	A wind farm MPC strategy for power reserve maximizatio	7B	Operation	Sara Siniscalchi-Minna	Fri
2	Stefanos Delikaraoglou	Optimal allocation of HVDC interconnections for exchange of energy and reserve capacity services in view of wind power uncertainty	7B	Operation	Sara Siniscalchi-Minna	Fri
3	Julia Waigern	Economic Evaluation of Maintenance Strategies for Offshore Wind Turbines with a Particular Focus on Condition Monitoring Systems	7B	Operation	Sara Siniscalchi-Minna	Fri
1	Edgar Harzfeld	Optimization of Renewable Energy and Storage System	8A	Planning	Edgar Harzfeld	Fri
2	Özge Özdemir	Integration costs and Market & Regulation value of intermittent renewables: A study for the Dutch power Market & Regula	8A	Planning	Edgar Harzfeld	Fri
3	Thomas Marge	Optimizing offshore windfarm design through simultaneous electrical layout and micrositing considerat	8A	Planning	Edgar Harzfeld	Fri
4	Benjamin Hobbs	Challenges in Designing the California Power Market to Accommodate 40% Renewab	8A	Planning	Edgar Harzfeld	Fri
1	Ciaran Gilbert	Turbine-level Data in Wind Power Forecasting	8B	Operations & Mechanics	Ignacio Herrero	Fri
2	Luciano Castillo & Arquimedes Ruiz-Columbi	Impact of the Low-Level Jet's Negative Wind Shear on the Wind Turbine's Nacelle and Tower	8B	Operations & Mechanics	Ignacio Herrero	Fri
3	Charles Meneveau	Relating wind farm power fluctuations to turbulence flow structure in boundary layers	8B	Operations & Mechanics	Ignacio Herrero	Fri