



PRELIMINARY PROGRAM AS OF 11 APRIL 2019

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TIMETABLE 4TH INTERNATIONAL HYBRID POWER SYSTEMS WORKSHOP

WEDNESDAY, 22 MAY 2019				THURSDAY, 23 MAY 2019			
Hybrid Workshop Day 1				Hybrid Workshop Day 2			
08:00 – 09:00	FOYER						
	REGISTRATION						
09:00 – 09:25	ROOM 1						
	OPENING: Welcome and Introduction						
09:25 – 11:00	ROOM 1			09:00 – 10:40	ROOM 1	ROOM 2	ROOM 3
	SESSION 1: KEYNOTE SESSION				SESSION 5A: Project Experience 4	SESSION 5B: Grid Control	SESSION 5C: High Share Inverter Based Systems
COFFEE BREAK (30 MIN)				COFFEE BREAK (30 MIN)			
11:30 – 13:10	ROOM 1	ROOM 2	ROOM 3	11:10 – 12:50	ROOM 1	ROOM 2	ROOM 3
	SESSION 2A: Project Experience 1: Greece	SESSION 2B: Economic Evaluation and Regulations of Hybrid Systems	SESSION 2C: Hybrid System Technologies		SESSION 6A: Project Experience 5	SESSION 6B: Modelling and Simulation 2	SESSION 6C: Design Aspects
13:10 – 14:10 LUNCH				12:50 – 13:50 LUNCH			
14:10 – 15:50	ROOM 1	ROOM 2	ROOM 3	13:50 – 15:10	ROOM 1	ROOM 2	ROOM 3
	SESSION 3A: Project Experience 2	SESSION 3B: Modelling and Simulation 1	SESSION 3C: Energy Management Systems		SESSION 7A: Large Grids Versus Island Grids	SESSION 7B: Ancillary Services	Session 7C: Wind/PV Hybrid Power Plants
COFFEE BREAK (25 MIN)				COFFEE BREAK (20 MIN)			
16:15 – 18:10	ROOM 1	ROOM 2	ROOM 3	15:30 – 16:30	ROOM 1		
	SESSION 4A: Project Experience 3: Around the World	SESSION 4B: Control and Simulation	SESSION 4C: Forecasting Issues		SESSION 8: CLOSING SESSION – PANEL DISCUSSION		
18:15 – 18:45	r.e.think ENERGY DIALOGUE						
20:00	WORKSHOP DINNER (please book separately)			24 MAY 2019 – STUDY TRIP (please book separately)			

08:00 – 09:00 Registration

09:00 – 09:25 Welcome, Thomas Ackermann (Energynautics, Germany)

09:25 – 11:00	SESSION 1 – KEYNOTE SESSION
> Session Chair	Philipp Kunze (BayWa r.e. Solar Projects, Germany)
09:25 – 10:45	Presentations (20 min. each)
	<ul style="list-style-type: none">• The Energy Transition of the Greek Non-Interconnected Islands Dimitris Tsekeris (Special Advisor Energy & RES at Ministry of Energy & Environment, Greece) (Submission-ID 88)• Andreas Vlachos (TBC) Director, Long-Term Energy Planning at Regulatory Authority for Energy, Greece• Ioannis Margaritis Chief Technology, System Planning & Strategy Officer, ADMIE-Transmission System Operator for the Hellenic Electricity Transmission System, Greece• Electrical Systems of the Greek Non Interconnected Islands Eirini Stavropoulou (Director Islands Network Operation Department, DEDDIE- Hellenic Electricity Distribution Network Operator, Greece) (Submission-ID 87)
10:45 – 11:00	Discussions

11:00 – 11:30 COFFEE BREAK

11:30 – 13:10	SESSION 2A – PROJECT EXPERIENCE 1: GREECE
> Session Chair	TBA (Company, Country)
11:30 – 12:50	Presentations (20 min. each)
	<ul style="list-style-type: none">• Crete Power System A. Gigantidou (HEDNO – Hellenic Electricity Distribution Network Operator, Greece) (Submission-ID 79)• Turning Crete into an Energy Independent Island D. Katsaprakakis, Y. Antonakakis, I. Dakanali, D. Christakis (Technological Educational Institute of Crete, Greece) (Submission-ID 9)• Early-Operation Evidence and Lessons Learnt from the First-ever Battery-based Hybrid Power Station in Greece on the Island of Tilos D. Zafirakis, J. Kaldellis (University of West Attica, Greece) (Submission-ID 73)• Operation of a Hybrid Power Station in an Isolated Power System: The Case of Samos Island N. Bouzounierakis, Y. Katsigiannis, E. Karapidakis (Technological Educational Institute of Crete, Greece) (Submission-ID 75)
12:50 – 13:10	Discussions

11:30 – 13:10	SESSION 2B – ECONOMIC EVALUATION AND REGULATIONS OF HYBRID SYSTEMS
> Session Chair	TBA (Company, Country)
11:30 – 12:50	Presentations (20 min. each)
•	The Impact of Falling Storage Prices on Least Cost Hybrid System Design P. Lilienthal (HOMER Energy, USA) (Submission-ID 61)
•	The Least-Cost Path to a 100% Renewable Electricity Sector in the Faroe Islands H. M. Tróndheim (The Electrical Power Company SEV The University of the Faroe Islands, Faeroe Islands Aalborg University, Denmark), T. Nielsen (The Electrical Power Company SEV, Faeroe Islands), B. Arnsteinsson Niclasen (The University of the Faroe Islands, Faeroe Islands), C. L. Bak, F. F. Da Silva (Aalborg University, Denmark) (Submission-ID 56)
•	Innovation, Sustainability and New Regulatory Approaches to Hybrid Power Systems A. Gentzoglani (University of Sherbrooke Business School, Canada) (Submission-ID 72)
•	Advantages of Modifying the BDEW Traffic Light Concept for Local Flexibility Markets S. Pack, K. Kotthaus, J. Hermanns, M. Zdrallek, F. Paulat, S. Raczka, F. Schweiger, R. Schweiger (University of Wuppertal, Germany) (Submission-ID 20)
12:50 – 13:10	Discussions

11:30 – 12:50	SESSION 2C – HYBRID SYSTEM TECHNOLOGIES
> Session Chair	TBA (Company, Country)
11:30 – 12:30	Presentations (20 min. each)
•	Inrush Currents: One Issue Less to Worry. An Innovative Solution. V. Gomes (ENERCON, France), P. Dill (Wobben Research and Development, Germany), E. Quitmann (ENERCON, Germany) (Submission-ID 83)
•	The Suitability of Floating Hybrid Wind and Wave Energy Devices for Supporting Power Generation in Island Communities S. Thomas (Floating Power Plant, Denmark) (Submission-ID 68)
•	Integrated Renewables Energy Systems: PV + Power-to-Heat + Power-to-Hydrogen J. Gerstner, J. Wirtz, T. Nietsch (ABO Wind, Germany) (Submission-ID 41)
12:30 – 12:50	Discussions

13:10 – 14:10 LUNCH BREAK

14:10 – 15:50	SESSION 3A – PROJECT EXPERIENCE 2
> Session Chair	TBA (Company, Country)
14:10 – 15:30	Presentations (20 min. each)
	<ul style="list-style-type: none"> • Exploring the Viability of Hybrid Wind-Solar-Storage Plants V. Klonari, D. Fraile (WindEurope, Belgium), R. Rossi, M. Schmela (SolarPower Europe, Belgium) (Submission-ID 63) • An Analysis of Large RES Penetration Impact on Traditional System Operation at the Canary Islands Isolated Power Systems: Future Trends and Contingency Measures. P. Santos Arozarena, J. J. Pérez González, R. Corujo de León, R. Ascanio Suárez (REE, Spain) (Submission-ID 14) • Experiences with Large Grid Forming Inverters on Various Island and Microgrid Projects O. Schömann, T. Bülo, A. Falk, C. Hardt, P. R. Stankat (SMA Solar Technology, Germany), H. Sadri, W. Krüger (SMA Sunbelt Energy, Germany) (Submission-ID 17) • El Hierro Virtual Power Station O. Novykh, J. A. Méndez Pérez, B. González-Díaz (University of La Laguna, Spain), I. Sviridenko (State University of Sevastopol, Russia) (Submission-ID 32)
15:30 – 15:50	Discussions

14:10 – 15:30	SESSION 3B – MODELLING AND SIMULATION 1
> Session Chair	TBA (Company, Country)
14:10 – 15:10	Presentations (20 min. each)
	<ul style="list-style-type: none"> • Operation of a Greek Island Power Grid under Various Simulated Scenarios of Combined RES and Battery Based Storage Systems J. Nikolettatos (C.R.E.S. – Centre for Renewable Energy Sources and Saving, Greece) (Submission-ID 39) • Optimal Design of a Renewable Energy System for an Off-Grid Desalination Facility on the Navajo Nation in the United States D. Xu (Xi'an University of Science and Technology, China), T. Acker, B. Begay (Northern Arizona University, USA) (Submission-ID 76) • Transient Stability of Hybrid Stand-alone Microgrids Considering the DC-Side of Photovoltaics K. Veerashekar, A. Bichlmaier, M. Luther (University of Erlangen-Nuremberg, Germany) (Submission-ID 22)
15:10 – 15:30	Discussions

14:10 – 15:50	SESSION 3C – ENERGY MANAGEMENT SYSTEMS
> Session Chair	TBA (Company, Country)
14:10 – 15:30	Presentations (20 min. each)
	<ul style="list-style-type: none"> • Energy Management Solutions for economic Optimization and Stability of Hybrid Power Plants & Microgrids J.-C. Mejia (MAN Energy Solutions, Germany) (Submission-ID 78) • Three phase Unbalanced Home Energy Management System using Model Predictive Control for Active and Reactive Power Control B. V. Rao, F. Kupzog (AIT – Austrian Institute of Technology, Austria), M. Kozek (TU Vienna, Austria) (Submission-ID 13) • Application of the Open Source Energy Management System OpenEMS in Hybrid Power Systems N. Reiners, N. Pfanner (Fraunhofer ISE, Germany) (Submission-ID 70) • Improving Energy Efficiency with Smart Control Technology – Case Studies and Lessons Learnt P. Piclova (ComAp, Czech Republic) (Submission-ID 74) • Experimental Study of Renewable Energy Management Systems in Microgrids Using Raspberry Pi with Internet of Thing Technology E. Tridianto, P. Dewi Permatasari, I. Rosyadi Ali (Politeknik Elektronika Negeri Surabaya, Indonesia) (Submission-ID 34)
15:30 – 15:50	Discussions

15:50 – 16:15 COFFEE BREAK

16:15 – 18:10	SESSION 4A – PROJECT EXPERIENCE 3: AROUND THE WORLD
> Session Chair	Thomas Ackermann (Energynautics, Germany)
16:15 – 17:55	Presentations (20 min. each)
	<ul style="list-style-type: none"> • High Penetration of PV in Tropical Island Systems – Experiences from Indonesia P.-P. Schierhorn, D. Masendorf, A. Vieira Turnell, T. Ackermann (Energynautics, Germany) (Submission-ID 84) • Practical Experiences from Project Development of Hybrid Systems in Developing Countries M. Dennenmoser (BayWa r.e., Germany) (Submission-ID 82) • SGRE Hybrid Technology Applied to Greek Islands. D. Perez de Larraya (Siemens Gamesa Renewable Energy, Spain) (Submission-ID 19) • The Graciosa Island Hybrid Power Plant – Technical Challenges and Solutions for Achieving 65 % Renewables Integration C. Moreira, Carlos, J. Peças Lopes, P. Beires (INESC TEC - Institute for Systems and Computer Engineering, Technology and Science, Portugal), A. Merk (TRACTEBEL – ENGIE GROUP, Belgium), L. Witmer (Greensmith Energy, USA), D. Conde (Gracióllica, a project by Howard Scott, Portugal), F. Gonçalves (EDA – Eletricidade dos Açores, Portugal) (Submission-ID 43) • Water and Wind Resources Combined Management D. Christakis, D. Katsaprakakis, C. Contaxakis (TEI of Crete, Greece) (Submission-ID 53) • Use of Pump Storage to Boost Wind Power at Brazil F. Rosa, G. Haydt, L. Andrade (EPE – Energy Research Company, Brazil) (Submission-ID 81)
17:55 – 18:10	Discussions

16:10 – 18:10	SESSION 4B – CONTROL AND SIMULATION
> Session Chair	TBA (Company, Country)
16:15 – 17:55	Presentations (20 min. each)
	<ul style="list-style-type: none"> • Planning Tool for Non-Interconnected Islands G. Millionis, G. Asimakopoulou, N. Hatziaargyriou (NTUA, Greece) (Submission-ID 69) • Opportunities for Physical Design Optimization of Hybrid Power Plants K. Dykes (NREL, USA DTU Wind Energy, Denmark), J. King, N. D'Orio (NREL, USA) (Submission-ID 57) • Online Optimization and Control for Renewable Hybrid Power Plants G. A. Raducu, C. Ionita, J. Funkquist (Vattenfall R&D, Denmark) (Submission-ID 27) • A Pilot for an Intelligent, Data-Driven, and Grid-Stabilizing Energy Management Platform S. Berger (University of Augsburg, Germany), M. Raila (MAN Energy Solutions SE, Germany), M. Stark (XITASO, Augsburg, Germany), B. Haeckel (University of Augsburg, Germany) (Submission-ID 60) • Model Predictive Control for Electric Heat Pumps based on a Multi-objective Optimization A. Benzarti, S Roehrenbeck, W. Wellssow (Technische Universität Kaiserslautern, Germany) (Submission-ID 15) • FLASH Talk (5mins): Optimal Battery Storage Sizing for Residential Buildings with Photovoltaic Systems under Consideration of Generic Load and Feed-in Time Series B. Uhlemeyer, J. Garzón-Real, H. Schroeder, A. Hobert, M. Zdrallek (Bergische Universität Wuppertal, Germany) (Submission-ID 11) • FLASH Talk (5mins): Decentralized Control of Connected DC Microgrid Clusters Using Energy Storage Systems and Renewable Distributed Generation H. Elhassaneen, T. Tsuji (Yokohama National University, Japan) (Submission-ID 51)
17:55 – 18:10	Discussions

16:10 – 18:10	SESSION 4C – FORECASTING ISSUES
> Session Chair	TBA (Company, Country)
16:15 – 17:55	Presentations (20 min. each)
<ul style="list-style-type: none"> Maximization of the Value of Intra-Day Wind and Solar Forecasts for an Island Grid System via Customized Forecasts and Evaluation Metrics J. Zack (UL Renewables, USA) (Submission-ID 45) Evaluation of the Impact of Intra-Day and Extended PV and Wind Generation Forecasts on Decision-making in the Planning and Operations of the Jamaica Public Service Grid System J. Zack (UL Renewables, USA), D. Richards (Jamaica Public Service, Jamaica) (Submission-ID 30) Distributed Wind Resource Assessment Using Computational Modeling for a Remote, Off-Grid, Renewable Energy System T. Acker, J. Sandoval, J. Alvarez Guerrero, A. Mullen (Northern Arizona University, USA) (Submission-ID 77) Market-Oriented Dispatch Strategies for Wind-Storage Configurations Using Day-Ahead Forecasting Signals D. Zafirakis, G. Tzanes, J. Kaldellis (Soft Energy Applications & Environmental Protection Lab; University of West Attica, Greece) (Submission-ID 59) Fuel Saving Assessment from Simulated Hybrid PV-Diesel Control Systems Using Solar Forecasts Based on Observations of a Thermal Infrared Sky Imager L.-E. Boudreault, E. Buessler, L. Sauvage, O. Liandrat, S. Cros (Reuniwatt SAS, France) (Submission-ID 42) 	
17:55 – 18:10	Discussions

18:15 – 18:45	r.e.think ENERGY DIALOGUE
> Session Chair	Philipp Kunze (BayWa r.e. Solar Projects, Germany)
<ul style="list-style-type: none"> Panel discussion with different stakeholders in hybrid projects → How can we overcome conflicts of interests and differences in expectations? → What is needed to develop a joint vision and good collaboration for a successful project execution? → Expectations, limitations, motivations? <p>The panelists will represent the clients' perspective, the developers' perspective as well as the financial one.</p>	

20:00 Workshop Dinner (please book separately)

09:00 – 10:20	SESSION 5A – PROJECT EXPERIENCE 4
> Session Chair	TBA (Company, Country)
09:00 – 10:00	Presentations (20 min. each)
	<ul style="list-style-type: none">• soFLEX'hy: EDF Hydro-PV-Batteries Virtual Power Plant Demonstrator L. Delaluque, J.-F. Balmitgere (EDF – Hydro Engineering Center, France) (Submission-ID 24)• Nice Smart Valley Project E. Hestin, P. Boos, M. Gilles Rocchia (SOCOMEC, France) (Submission-ID 65)• Hybrid Power Plant Solution with Integrated Battery Energy Storage – Presenting one of the First of its Kind Reference Project U. Fuchs (Siemens, Germany) (Submission-ID 7)
10:00 – 10:20	Discussions

09:00 – 10:20	SESSION 5B – GRID CONTROL
> Session Chair	TBA (Company, Country)
09:00 – 10:00	Presentations (20 min. each)
	<ul style="list-style-type: none">• Decentralized Secondary Frequency Control in an Optimized Diesel PV Hybrid System A. Vieira Turnell, P.-P. Schierhorn, D. Masendorf (Energynautics, Germany), K. Morozovska (KTH, Sweden) (Submission-ID 86)• Frequency Regulation by Inertial Response of Wind Turbines with Optimal Tip Speed Ratio in Remote Island Microgrid J. Qi, T. Tsuji (Yokohama National University, Japan) (Submission-ID 44)• Power System Electro-mechanical Oscillation Stability Analysis with Large Integration of Renewable Generations from the Distribution System L. Cai (University of Rostock, Germany) (Submission-ID 64)
10:00 – 10:20	Discussions

09:00 – 10:40	SESSION 5C – HIGH SHARE INVERTER BASED SYSTEMS
> Session Chair	TBA (Company, Country)
09:00 – 10:20	Presentations (20 min. each)
	<ul style="list-style-type: none">• Roadmap to a Future AC/DC Power System for the Integration of a High Share of Power Electronics C. Petino, M. Ndreko, W. Winter (TenneT TSO, Germany) (Submission-ID 36)• Inertia Need of European Power System until 2050 and the Potential Role of Wind Power C. Agathokleous, J. Ehnberg (Chalmers University of Technology, Sweden) (Submission-ID 18)• Frequency Provision with Low-Inertia Hybrid Power Plants: Identifying Gaps in the Standards D. Vázquez Pombo, F. Iov (Aalborg University, Denmark) (Submission-ID 10)• Experimental Validation of a Power Electronics Dominated Microgrid: A Study Case of an Offshore Wind Powered Water Injection Process. A. Fabian, Y. Sun (DNV GL, Netherlands) (Submission-ID 54)
10:20 – 10:40	Discussions

10:40 – 11:10 COFFEE BREAK

11:10 – 12:50	SESSION 6A – PROJECT EXPERIENCE 5
> Session Chair	TBA (Company, Country)
11:10 – 12:30	Presentations (20 min. each)
<ul style="list-style-type: none"> • Clean Energy Transition on European Islands: Experiences from the Operation of the Clean Energy for EU Islands Secretariat S. De Clercq, A. Woyte (3E, Belgium Clean Energy for EU Islands, Belgium) (Submission-ID 46) • Solutions for VRE Integration in Developing Countries P.-P. Schierhorn, T. Ackermann (Energynautics, Germany) (Submission-ID 85) • Interconnection Requirements for Renewable Generation and Energy Storage in Island Systems – Puerto Rico Example V. Gevorgian, M. Baggu (NREL, USA) (Submission-ID 6) • The Distributed New Energy Micro-grid Absorption Pilot Project in Northeast China Power Grid H. Zhang, J. Zhang, S. Du (Northeast Branch of State Grid Corporation of China, China), C. Cui, P. Ye (Shenyang Institute of Engineering, China), Q. Li (Northeast Branch of State Grid Corporation of China, China) (Submission-ID 16) • Energy Feasibility Study in Watersheds in the Kerinci Seblat National Park Area, districts West Solok R. Rauf (Ekasakti University, Indonesia) (Submission-ID 50) 	
12:30 – 12:50	Discussions

11:10 – 12:50	SESSION 6B – MODELLING AND SIMULATION 2
> Session Chair	TBA (Company, Country)
11:10 – 12:30	Presentations (20 min. each)
<ul style="list-style-type: none"> • Feasibility analysis of Smart Renewable Hubs in EU islands J. M. Estebaranz Pelaez (COBRA Instalaciones y Servicios, Spain), R. Gogou (NTUA, Greece), M. Kourasi (Hellenic Electricity Distribution Network Operator, HEDNO, Greece), E. Cerrajero (IDIE – Investigación, Desarrollo e Innovación Energética, Spain) (Submission-ID 58) • Active Power Sharing in Microgrids – A Decentralized Approach using Multiple Grid-Forming Inverters N. Martensen, P. Gambín, D. Masendorf (Energynautics, Germany) (Submission-ID 55) • Power-Flow-Constrained Asset Optimization for Off-Grid Power Systems Using Selected Open-Source Frameworks S. Auer (elena international, Germany), T. Kittel (Humboldt University of Berlin, Germany), C. Horn (elena international, Germany) (Submission-ID 29) • Methodological Framework for Stability Analysis, Control Design and Verification in Wind Integrated Hybrid Power Plants L. Petersen (Aalborg University, Denmark Vestas Wind Systems, Denmark), F. Iov (Aalborg University, Denmark), G. C. Tarnowski, K. B. Raghuchandra (Vestas Wind Systems, Aarhus, Denmark) (Submission-ID 38) 	
12:30 – 12:50	Discussions

11:10 – 12:30	SESSION 6C – DESIGN ASPECTS
> Session Chair	TBA (Company, Country)
11:10 – 12:10	Presentations (20 min. each)
	<ul style="list-style-type: none"> • Load Profile Estimation for Hybrid System Design in Rural Electrification Projects F. Botreau (Tractebel Engineering Germany, Germany) (Submission-ID 62) • Aggregation & Optimization of Behind-the-Meter Loads, Distributed Generation & Distributed Storage as Virtual Micoro-Grids F. Sioshansi (Menlo Energy Economics, USA) (Submission-ID 12) • Quasi-Monte Carlo Based Optimal Power Flow Calculations Using Active Power Control of Wind Farm A. Otoboev, T. Tsuji (Yokohama National University, Japan) (Submission-ID 35)
12:10 – 12:30	Discussions

12:50 – 13:50 LUNCH BREAK

13:50 – 15:10	SESSION 7A – LARGE GRIDS VERSUS ISLAND GRIDS
> Session Chair	TBA (Company, Country)
13:50 – 14:50	Presentations (20 min. each)
	<ul style="list-style-type: none"> • Micro Grids as Valuable Parts of Larger Grids P. Nørgaard (DTU, Denmark) (Submission-ID 21) • TBA • TBA
14:50 – 15:10	Discussions

13:50 – 15:10	SESSION 7B – ANCILLARY SERVICES
> Session Chair	TBA (Company, Country)
13:50 – 14:50	Presentations (20 min. each)
	<ul style="list-style-type: none"> • Quantification of Capacity Credit of Additional Photovoltaics Installations on the Island of Crete K. Fiorentzis, A. Tsikalakis, E. Karapidakis (Technological Educational Institute of Crete, Greece) (Submission-ID 71) • Techno-Economic Evaluation of Energy Storage Technologies Providing Arbitrage and Ancillary Services and Supporting Hybrid Power Systems M. P. Schotborgh (TU Berlin, Germany) (Submission-ID 28) • Application of a Multiterminal HVDC link to Improve the Power System Frequency Behavior R. Castellanos, M. Ramírez (INEEL, Mexico), O. Micheloud (ITESM, Mexico) (Submission-ID 33) • TBA
14:50 – 15:10	Discussions

13:50 – 15:10	SESSION 7C– WIND/PV HYBRID POWER PLANTS
> Session Chair	TBA (Company, Country)
13:50 – 14:50	Presentations (20 min. each)
	<ul style="list-style-type: none"> • How Wind and Storage as an Integrated Renewable Hybrid Solution Can Reliably Match Load Requirements A. Wulff (GE Renewable Energy, France) (Submission-ID 5) • Enhanced Features of Wind based Hybrid Power Plants K. Das, D. Vangari, M. Koivisto, M. Altin, A. Hansen, P. Sørensen (DTU, Denmark) (Submission-ID 40) • Grid code compliance assessment for hybrid power systems C. Scheefer (FGH Zertifizierungsgesellschaft mbH, Germany) (Submission-ID 67)
14:50 – 15:10	Discussions

15:10 – 15:30 COFFEE BREAK

15:30 – 16:30	SESSION 8 – CLOSING SESSION
> Session Chair	TBA (Company, Country)
15:30 – 16:00	Panel discussion
	<p>The Path to 100% Renewable Islands</p> <p>Panelists:</p> <ul style="list-style-type: none"> - TBA
16:00 – 16:30	Discussions