FULL PROGRAMME

Tuesday 4th June 2019

09:00 – 16:00	Registration Open
13:00 – 14:30	**Tutorial (SC B1)** Offshore generation cable connections **Tutorial (SC B2)** Guide to the conversion of existing AC lines to DC operation **Tutorial (SC C4)** Network Modelling for Harmonic Studies **Tutorial (SC C6)** Control and Automation Systems for Electricity Distribution Networks of the Future (emphasizing the TSO/DSO interface)
14:30 – 15:00	Coffee Break
15:00 – 16:30	**Tutorial (SC B4)** Control and Protection of HVDC Grids **Tutorial (SC C1)** The future of reliability – Definition of reliability in light of new developments in various devices and services which offer customers and system operators new levels of flexibility **Tutorial (SC C2)** Wide Area Monitoring – Control Room Applications **Tutorial (SC C3)** Line Routeing in Urban and Rural Areas
18:30 – 20:30	Welcome Reception

*The program is not final and subject to change.

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Wednesday 5th June 2019

08:30 – 09:30	Opening Session Introduction and Welcome Keynote speech – "North Sea Wind Power Hub" President of Cigré Address
09:30 – 09:40	Coffee Break
09:40 – 11:10	Session 1a: Power Quality Challenges (SC C4) Session 1b: Assessment and Study Tools for System Operation (SC C2) Session 1c: Innovative solutions in FACTS and HVDC technology (SC B4)
11:10 – 11:30	Coffee Break
11:30 – 12:30	Session 2a: System planning including offshore networks (SC C1) Session 2b: Operation of hybrid and low inertia power systems (SC C2) Session 2c: DC Grids and multi-terminal DC systems (SC B4)
12:30 – 13:30	Lunch
13:30 – 14:30	Lead sponsors address by Siemens and Ørsted
14:30 – 14:45	Coffee Break
14:45 – 15:45	Session 3a: Subsynchronous resonance, control interactions and instabilities (SC C4) Session 3b: Eco-design and environmental concerns, the social aspect (people) (SC C3) Session 3c: Control and protection of DC grids (SC B4)
15:45 – 16:00	Coffee Break
16:00 – 17:00	Session 4a: Electromagnetic transient aspects (SC C4) Session 4b: Eco-design and environmental concerns, the environmental aspects (planet) (SC C3) Session 4c: Offshore system integration (SC B4)
18:30 – 23:00	Gala Dinner

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Thursday 6th June 2019

08:30 – 10:00	Session 5a: Frequency Support from Power Electronics Interfaced Devices (SC C2) Session 5b: Cable system design (SC B1) Session 5c: Innovative strategies for active distribution network operation
10:00 – 10:30	Coffee Break
10:30 – 12:00	Session 6a: OHL tower design, optimization of costs, public acceptance, EMF, AC/DC coupling effects (SC B2) Session 6b: Challenges for DSOs and improved TSO-DSO interoperability Session 6c: Long-term and sector-coupled decarbonized energy system planning (SC C1)
12:00 – 13:15	Lunch
13:15 – 14:45	Session 7a: System technical aspects of wind generation (SC C4) Session 7b: Offshore wind connection planning (SC C1) Session 7c: Cable Monitoring (SC B1)
14:45 – 15:00	Coffee Break
15:00 – 16:30	Session 8a: Offshore network of the future: wind farms and HVDC grid (SC B1) Session 8b: Support from VSC HVDC for System Operation (SC C2) Session 8c: Analysis and modelling of DC and FACTS (SC B4)
16:30 – 17:00	Coffee Break
17:30 – 18:00	Closing session: Key Symposium learnings, best student paper award and closing remarks

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FULL PROGRAMME

Friday 7th June 2019

08:30 – 16:00	Technical tour to offshore wind power plant ANHOLT with the Anholt ferry including lectures and lunch

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