

HVDC Grids and Offshore Wind

Program

Day 1		2nd of July	
09:30	10:30	General introduction of offshore wind power	N. A. Cutululis, DTU
10:30	11:00	Coffee break	
11:00	12:00	Wind turbine technologies and controls	A. Hansen, DTU
12:00	13:00	Lunch	
13:00	14:00	Electrical designs of offshore wind power plants	T. S. Sørensen, Ørsted
14:00	15:00	Generic models of wind power in power system simulations	Poul Sørensen, DTU
15:00	15:30	Coffee break	
15:30	16:30	Fault response in HVDC connected offshore wind power plants	Ö. Göksu, DTU
Day 2		3rd of July	
09:00	10:30	General introduction of HVDC technology	D. Hertem, KUL
10:30	11:00	Coffee break	
11:00	12:00	HVDC converter technology I (introduction on HVDC)	C. Barker, GE
12:00	13:00	Lunch	
13:00	14:30	HVDC converter technology II - Power electronics	A. Junyent Ferré, ICL
14:30	15:30	Detailed and averaged converter (MMC) modelling and analysis	E. Prieto-Araujo, UPC
15:30	16:00	Coffee break	
16:00	17:30	MMC stability and control	L. Harnefors, ABB
Day 3		4th of July	
09:00	10:30	Models for HVDC grids. Power flow modeling of hybrid AC/DC systems. OPF	J. Beerten, KUL
10:30	11:00	Coffee break	
11:00	12:00	HVDC Grid Planning	H. Ergun, KUL
12:00	13:00	Lunch	
13:00	14:30	Control principles of HVDC grids. Control design for HVDC grids	E. Prieto-Araujo, UPC
14:30	16:00	Ancillary services provision from HVDC systems	M. Cheah, UPC
16:00	16:30	Coffee break	
16:30	17:30	HVDC grid protection,	W. Leterme, KUL
17:30	18:30	HVDC converter technology III (DC-DC converters and power flow control converters)	J. Liang, Cardiff University
19:30		Dinner in Copenhagen	
Day 4		5th of July	

09:00	10:00	HVDC circuit breaker technology	D. Jovic, University of Aberdeen
10:00	10:30	Coffee break	
10:30	12:00	Power system operations with HVDC grids	D. Hertem, KUL
12:00	13:00	Lunch	
13:00	14:00	HVDC interconnectors and offshore wind: TSO perspective	V. Akhmatov, Energinet
14:00	14:30	Future aspects of HVDC grids	N. McLeod, FOSG
14:30	15:00	Discussion and closure	