

Session Program

13 March 2018

Modulator Electrical Safety Review

Electrical hazards and protection

ESS HQ, Stora Tuna
Tunavägen 24 Lund

Tuesday 13 March

13:10

Electrical hazards and protection

Session | **Location:** ESS HQ, Stora Tuna, Tunavägen 24 Lund

13:10-13:20

Identification of electrical hazards

Speaker

Carlos De Almeida Martins

13:20-13:30

Direct contact - IP protection by the enclosure; Door switches; Grounding

Speaker

Jose de la Fuente

13:30-13:40

High Voltage - Tank sealing and HV cables/receptacles sealing

Speaker

Carlos De Almeida Martins

13:40-13:50

High Power - Sizing of power cables

Speaker

Jose de la Fuente

13:50-14:10

High Short Circuit Power - Sizing of circuit breakers; Protection against explosion and arcs

Speakers

Carlos De Almeida Martins, Jose de la Fuente

14:10-14:30

High Stored Energy - Emergency discharge systems; Capacitor short circuiting and grounding

Speaker

Carlos De Almeida Martins

14:30-14:50

Discussion

14:50