

Session Program

9-13 Apr 2018



FCC Week 2018

Infrastructure and operation

Beurs van Berlage
Damrak 243, 1012 ZJ Amsterdam, Netherlands

Wednesday 11 April

08:30

Infrastructure and operation: Civil engineering, geodesy, alignment, transport, logistics (review)

Session | Location: 1.9, P4 Berlage zaal | Convener: Christian Prasse

08:30–08:55 **Civil engineering developments**

Speaker

John Andrew Osborne

08:55–09:15 **Geodesy and Geodetic Infrastructure**

Speaker

Mark Jones

09:15–09:35 **The survey and alignment of the FCC**

Speaker

Dominique Missiaen

09:35–10:00 **Transport and logistics concept**

Speaker

Andreas Nettstraeter

10:00

10:30

Infrastructure and operation: Cryogenics (review)

Session | Location: 1.9, P4 Berlage zaal | Convener: Christoph Haberstroh

10:30–10:55

Transient modes and their impact on the cryoplant size and operation margins

Speaker

Laurent Jean Tavian

10:55–11:20 **Industrial engineering study of FCC-hh refrigerators**

Speaker

Francois Millet

11:20–11:40 **Cool-down and transient operation with the Helium cycle**

Speaker

Steffen Kloeppe

11:40–12:00 **Staging and design of the cryogenic system for FCC-ee and HE-LHC**

Speaker

Laurent Jean Tavian

12:00

13:30

Infrastructure and operation: Cooling and ventilation, electrical distribution, energy management (review)

Session | Location: 1.9, P4 Berlage zaal | Convener: Roberto Losito

13:30–13:55 **Development for cooling and ventilation systems**

	<p>Speaker Mauro Nonis</p>
	<p>13:55–14:20 Conceptual powering layout for FCC-hh, FCC-ee, and HE-LHC</p> <p>Speaker Davide Bozzini</p>
	<p>14:20–14:40</p> <p>Advanced Power-Quality Technologies for Future Circular Collider (FCC)</p> <p>Speaker Thomas Hohn</p>
	<p>14:40–15:00 Energy management and efficiency</p> <p>Speaker Volker Mertens</p>
15:00	
15:30	<p>Infrastructure and operation: Operation, reliability, radiation (review) Session Location: 1.9, P4 Berlage zaal Convener: Thomas Schörner-Sadenius</p>
	<p>15:30–15:55 Maintenance aspects and operational cycle</p> <p>Speaker Arto Niemi</p>
	<p>15:55–16:15 Conclusions on availability studies for the Future Circular Collider</p> <p>Speaker Andrea Apollonio</p>
	<p>16:15–16:35</p> <p>Radiation environment assessment in the Experimental Insertion Region</p> <p>Speaker Dr Angelo Infantino</p>
	<p>16:35–17:00 Results from Radiation Protection Studies</p> <p>Speaker Markus Widorski</p>
17:00	

Thursday 12 April

08:30

Infrastructure and operation: Safety (review)

Session | **Location:** 1.20, P5 Veilingzaal | **Convener:** Thomas Otto

08:30–08:55 **Performance based safety design and results on cryogenics hazards**

Speaker

Andre Henriques

08:55–09:20 **Fire safety assessment for FCC**

Speaker

Oriol Rios Rubiras

09:20–09:45 **Virtual reality experiments for evacuation in the FCC**

Speaker

Silvia Alejandra Arias Osuna

09:45–10:00 **Hands-on demonstration of virtual reality experiment**

Speaker

Silvia Alejandra Arias Osuna

10:00