

Session Program

28-29 Nov 2019



5th Workshop Energy for Sustainable Science at Research Infrastructures

Friday, 29 November 2019

Auditorium, WHGA/001
Paul Scherrer Institut 5232 Villigen PSI Switzerland

Friday 29 November

08:30

Friday, 29 November 2019: Parallel Session Cryogenic Systems and Conventional Cooling

Session | **Location:** OSGA/EG06, PSI East | **Convener:** Serge Claudet

08:30–08:55

Technology and Economics of He Refrigeration Using the Example of ESS

Speaker

Dr John Weisend

Location

OSGA/EG06, PSI East

08:55–09:20

Energy Efficient helium-neon Refrigeration for FCC

Speaker

Laurent Tavian

Location

OSGA/EG06, PSI East

09:20–09:45

Recent studies on water consumption and improvements on cooling towers effluents

Speaker

Dr Serge Deleval

Location

OSGA/EG06, PSI East

09:45–10:10

Efficiency versus sobriety: optimized cryogenic design of stand-alone superconducting magnets

Speaker

Dr Philippe Lebrun

Location

OSGA/EG06, PSI East

10:10–10:40

Coffee break

10:40

08:30

Friday, 29 November 2019: Parallel Session Energy efficient technologies II

Session | **Location:** Auditorium, WHGA/001, Paul Scherrer Institut 5232 Villigen PSI Switzerland | **Convener:** Mr Allen Weeks

08:30–08:55

Status of high efficient RF power sources - Outcome of Uppsala Workshop

Speaker

Roger Ruber

Location

Auditorium, WHGA/001, Paul Scherrer Institut 5232 Villigen PSI Switzerland

08:55-09:20

Challenges of a megawatt CW class solid state power amplifier for the SPS at CERN**Speaker**

Eric Montesinos

Location

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09:20-09:45

Permanent accelerator magnets for light sources**Speaker**

Joel Chavanne

Location

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09:45-10:10

High current pulsed magnets for energy efficient beam transport systems**Speaker**

Dr Peter Spiller

Location

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10:10-10:40

Coffee break

10:40

10:40

Friday, 29 November 2019: Plenary Session**Session** | **Location:** Auditorium, WHGA/001, Paul Scherrer Institut 5232 Villigen PSI Switzerland | **Convener:** Dr Frédérick Bordry

10:40-11:10

Lifecycle Assessment: Usefulness for and Applicability to Research Infrastructures**Speaker**

Manuele Margni

11:10-11:40

Ecological Diversity**Speaker**

Therése Welande

11:40-11:55

Summary Research**Speaker**

Allen Weeks

11:55-12:10

Summary Energy Management**Speaker**

Carlo Bocchetta

12:10-12:25

Summary Energy Efficient Technology**Speaker**

Frank Lehner

12:25-12:40

Summary Cryogenic systems and conventional cooling**Speaker**

Serge Claudet

12:40-13:00

Closing Remarks

Speaker

Mike Seidel

13:00