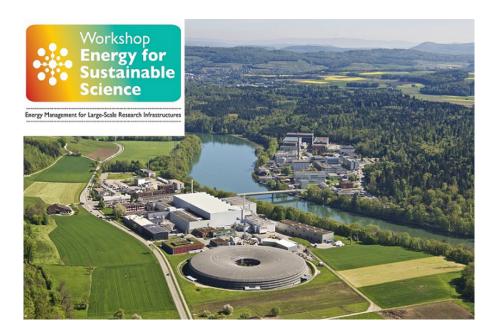
Session Program

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

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

09:20-09:45 Permanent accelerator magnets for light sources

Speaker

Joel Chavanne

Location

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

09:45-10:10

High current pulsed magnets for energy efficient beam transport systems

Dr Peter Spiller

Location

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

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 Welander

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