

5th Workshop Energy for Sustainable Science at Research Infrastructures

Thursday, 28 November 2019

Thursday, 28 November 2019: Plenary Session - WHGA/001 (09:00 - 11:00)

-Conveners: Mike Seidel

time	[id] title	presenter
09:00	[1] Welcome	STRÄSSLE, Thierry
09:10	[15] Introduction to Workshop & Goals	Dr BORDRY, Frédéric
09:30	[2] The Swiss energy strategy 2050 and energy research landscape	OBERHOLZER, Stefan
10:00	[16] Research on Sustainable Energy at PSI	SCHMIDT, Thomas Justus
10:30	Coffee break	

Thursday, 28 November 2019: Plenary Session - WHGA/001 (11:00 - 13:05)

-Conveners: Mike Seidel

time	[id] title	presenter
11:00	[17] Large Systems Energy Storage	Prof. DÜREN, Michael
11:30	[19] Efficient infrastructure to run supercomputers and how the lesson learned can be applied to other scientific instruments	GILLY, Ladina
12:00	[18] Realisation of a New Research Infrastructure in Belgium: MYRRHA	VAN DER BORGHT, Olivier
12:30	[4] Sustainability considerations of present and future accelerators and infrastructures at DESY	LEEMANS, Wim
13:00	[44] Information	SEIDEL, Mike

Thursday, 28 November 2019: Parallel Session Energy management at Research Infrastructures I - OSGA/EG06 (14:30 - 16:40)

-Conveners: Carlo Bocchetta

time	[id] title	presenter
14:30	[35] Compact Accelerator driven Neutron Source in European Landscape: Efficiency and sustainability aspects	Dr SORDO BALBIN, Fernando
14:55	[33] Energy Consumption and Sustainability of Operations at the Extreme Light Infrastructure	Mr WEEKS, Allen
15:20	[36] Reducing Energy Costs and Environmental Impacts for Research Infrastructures - The SKA Case Study	SCHUTTE, Adrian
15:45	[6] District heating and use of waste heat recovery at the ESS	STRÖMBERG, Sonny
16:10	Coffee break	

Thursday, 28 November 2019: Parallel Session Sustainable Technology Developments by RI's - WHGA/001 (14:30 - 16:40)

-Conveners: Frank Lehner

time	[id] title	presenter
14:30	[20] Study of Surface effects in s.c. accelerator cavities using Muon spectroscopy	SUTER, Andreas
14:55	[21] Increasing the Energy Efficiency of Particle Accelerators by Using Superconducting Radio Frequency Niobium-3 Tin Cavities	PORTER, Ryan
15:20	[5] Application of fuel cells for UPS	BUECHI, Felix
15:45	[22] Shining X-rays on a reactor: a necessary step to rationally design or optimize (electro-)catalysts	NACHTEGAAL, Maarten
16:10	Coffee break	

Thursday, 28 November 2019: Parallel Session Energy efficient technologies I - WHGA/001 (16:40 - 18:40)**-Conveners: Allen Weeks**

time	[id] title	presenter
16:40	[23] Efficiency Considerations of Solid State Pulse Modulators	Prof. BIELA, Jürgen
17:05	[24] Energy management for national high magnetic field facility in Grenoble	DEBRAY, François
17:30	[7] Low Loss S.C. Cavities	GERIGK, Frank
17:55	[8] MgB2 based Power Transmission Lines for the powering of the HL-LHC Superconducting Magnets	Dr BALLARINO, Amalia
18:20	[46] Closeout	

Thursday, 28 November 2019: Parallel Session Energy management at Research Infrastructures II - OSGA/EG06 (16:40 - 18:40)**-Conveners: Carlo Bocchetta**

time	[id] title	presenter
16:40	[26] Energy monitoring and heat recovery at DESY	JENSEN, Jens-Peter
17:05	[10] Energy consumption considerations in the beam physics design and optimisation of the ESS linac	ESHRAQI, Mamad
17:30	[12] Energy Management at ALBA	CASAS, Joan
18:00	[45] Closeout	