



# ESSRI Workshop 2022

## Thursday, September 29, 2022

### Thursday, 29th September 2022: Plenary Session - Auditorium (9:00 AM - 11:15 AM)

-Conveners: Frederick Bordry

time	[id] title	presenter
9:00 AM	[4] Welcome	SETTE, Francesco
9:10 AM	[5] Workshop Introduction	BORDRY, Frederick
9:20 AM	[6] Practical Information	REVOL, Jean-Luc
9:30 AM	[7] Climate change is accelerating. We need to move much faster	JARRAUD, Michel
10:00 AM	[8] Energy Transition: towards a complex cyber-physical system of systems	SALUDJIAN, Lucas
10:30 AM	Coffee break & Photo	

### Thursday, 29th September 2022: Plenary Session - Auditorium (11:15 AM - 12:45 PM)

-Conveners: Frederick Bordy

time	[id] title	presenter
11:15 AM	[9] Electrical Flexibility Market	REMENYI, Bernadette GAUNAND, Corentin
11:45 AM	[10] Energy management at Stanford University	BLEVEANS, Lincoln
12:15 PM	[11] ERLs and Sustainability	HUTTON, Andrew

### Thursday, 29th September 2022: Parallel Session - Energy efficient technologies - MD-1-21 (2:00 PM - 4:00 PM)

-Conveners: Denise Voelker

time	[id] title	presenter
2:00 PM	[12] Challenges of a megawatt CW class solid state power amplifier for the SPS at CERN	MONTESINOS, Eric
2:25 PM	[13] Progress with permanent magnets and return on experience	CHAVANNE, Joel
2:50 PM	[14] Free Air Cooling solution for the Data Centers	ROY, Laurent
3:15 PM	[15] Energy management University Darmstadt	RIPP, Christopher
3:40 PM	Coffee break	

### Thursday, 29th September 2022: Parallel Session - Energy management at research infrastructures - Auditorium (2:00 PM - 4:00 PM)

-Conveners: Jean-Luc Revol

time	[id] title	presenter
2:00 PM	[16] An overview of the status of energy sustainability at the European Spallation Source (ESS)	ESHRAQI, Mamad

2:25 PM	[17] Energy optimisations implemented at accelerators and infrastructure at PSI	REINHARD, David
2:50 PM	[18] Energy management at High Magnetic Field Facilities	DEBRAY, François
3:15 PM	[19] ESRF EBS energy management	NEVO, Christian
3:40 PM	Coffee break	

**Thursday, 29th September 2022: Parallel Session - Energy management at research infrastructures and materials - Auditorium (4:00 PM - 6:45 PM)**

-Conveners: Serge Claudet

time	[id] title	presenter
4:00 PM	[25] A big science facility as a living-lab for energy transition: the LNCMI use case	WURTZ, Frédéric
4:25 PM	[26] ISO 50001 Energy management	BELLEGARDE, Nicolas CLAUDET, Serge
4:50 PM	[27] Water, reduction in consumption and treatment of effluents from cooling towers	DELEVAL, Serge
5:15 PM	[28] Rare earth and Life cycle management	VOELKER, Denise
5:40 PM	[29] Superconducting alternative magnets	ROSSI, Lucio
6:05 PM	[40] Closeout	

**Thursday, 29th September 2022: Parallel Session - How will projects deal with energy and sustainability? - MD-1-21 (4:00 PM - 6:45 PM)**

-Conveners: Mamad Eshraqi

time	[id] title	presenter
4:00 PM	[20] Sustainability at Fermilab and the PIP-II Project	PRICE, Tiffany
4:25 PM	[21] Sustainability studies for Linear Colliders	STAPNES, Steinar
4:50 PM	[22] Investigating energy futures: The KITTEN test facility for sustainable research infrastructures	DE CARNE, Giovanni
5:15 PM	[23] Sustainable accelerator R&D in the UK	SHEPHERD, Ben
5:40 PM	[24] Closeout	