Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Tue-Po-1.1

CICG - GENEVA, Switzerland Rue de Varembé 17, 1202 Genève

Tuesday 23 July

Tue-	Po-1.1: Large Scale Cryogenic Systems 2
Poster	r Session Location: Poster area Convener: Laurent Jean Tavian
Simu	llation of the JT-60SA supercritical helium cooling loops during magnet
integ	grated commissioning using Simcryogenics
Spea	ker
Franc	ois Bonne
An e	conomic analysis of a coupled LAES system utilizing the regasification co
ener	gy of liquid ethylene
Spea	ker
Yihon	g Li
Enha	ncing liquid air energy storage efficiency through integration with LNG:
comj	parative analysis of cold energy recovery methods
Spea	ker
Junxia	an Li
Stud	y on in situ measurement of heat leak into transfer line
Spea	ker
Shinji	Hamaguchi
Carb	on Footprint of the Helium Recovery System at the ISIS Neutron and Muc
Sour	ce
Spea	ker
Alexa	nder Jones
Conc	eptual design of the cryogenic distribution system for the Shenzhen
supe	prconducting soft X-ray free electron laser
Spea	ker
Guan	g Long Cui
Opti	mizing pre-cooling methods for liquid air energy storage power stations:
focu	s on cooling of tanks
Spea	ker
Zhika	ng Wang
Ther	modynamic analysis of an efficient liquefaction unit with high-grade cold
stora	age in liquid air energy storage systems
Spea	ker
Xiaoy	u Fan
Stud	y of the influence of the plate-fin heat exchanger pressure drop on the
perfe	ormance of liquid air energy storage
Spea Wei Ji	ker
A +b/	ermodynamic analysis of a coupled LAES system for recycling liquid ethyl

cold energy

Speaker

Yihong Li

Failure analysis for liquid helium leaking to the vacuum envelope of the cryogenic distribution system of the ESS superconducting linac

Speaker

Hideki Tatsumoto

Thermodynamic analysis of liquid air energy storage systems based on different liquefaction cycles

Speaker

Zhaozhao Gao

Simulation of thermal compensation of the ESS cryogenic moderator system caused by a transient heat load change when the proton beams are turns on or off

Speaker Hideki Tatsumoto

16:00