Session Program

17-21 May 2021

25th International Conference on Computing in High Energy & Nuclear Physics

Storage

Tuesday 18 May

10:50

Storage: Tue AM
Session | **Conveners:** Peter Clarke, Patrick Fuhrmann

10:50–11:03
Evaluation of a high-performance storage buffer with 3D XPoint devices for the DUNE data acquisition system

Speaker

Adam Abed Abud

11:03–11:16
Design of a Resilient, High-Throughput, Persistent Storage System for the ATLAS Phase-II DAQ System

Speaker

Matias Alejandro Bonaventura

11:16–11:29
Enabling interoperable data and application services in a federated ScienceMesh

Speaker

Ishank Arora

11:29–11:42 Porting the EOS from X86 (Intel) to aarch64 (ARM) architecture

Speaker

Yaosong Cheng

11:42–11:55 The first disk-based custodial storage for the ALICE experiment

Speaker

Sang Un Ahn

11:55

15:00

Storage: Tue PM
Session | **Conveners:** Cedric Serfon, Peter Clarke

15:00–15:13
An intelligent Data Delivery Service for and beyond the ATLAS experiment

Speaker

Wen Guan

15:13–15:26 The ATLAS Data Carousel Project Status

Speaker

Alexei Klimentov

15:26–15:39 dCache: Inter-disciplinary storage system

Speaker

Mr Tigran Mkrtchyan

15:39–15:52
The GridKa tape storage: latest improvements and current production setup

Speaker

Haykuhi Musheghyan

15:52–16:05

Improving Performance of Tape Restore Request Scheduling in the Storage System dCache

Speaker

Lea Morschel

16:05–16:18   **dCache: from Resilience to Quality of Service**

Speaker

ALBERT ROSSI

16:20

Wednesday 19 May

10:50

Storage: Wed AM
Session | **Conveners:** Edoardo Martelli, Cedric Serfon

10:50–11:03 — Prototype of the Russian Scientific Data Lake

Speaker

Mr Andrey Kirianov

11:03–11:16

ESCAPE Data Lake: Next-generation management of cross-discipline Exabyte-scale scientific data

Speaker

Dr Riccardo Di Maria

11:16–11:29 — LHC Data Storage: Preparing for the Challenges of Run-3

Speaker

Dr Maria Arsuaga Rios

11:29–11:42

CERN Tape Archive: a distributed, reliable and scalable scheduling system

Speaker

Eric Cano

11:42–11:55

Preparing for HL-LHC: Increasing the LHCb software publication rate to CVMFS by an order of magnitude

Speaker

Enrico Bocchi

11:55–12:08

Addressing a billion-entries multi-petabyte distributed filesystem backup problem with cback: from files to objects

Speaker

Roberto Valverde Cameselle

12:15

17:40

Storage: Wed PM
Session | **Conveners:** Christophe Haen, Xavier Espinal

17:40–17:53 — CERN AFS phaseout: status & plans

Speaker

Jan Iven

17:53–18:06 — CernVM-FS powered container hub

Speaker

Enrico Bocchi

18:06–18:19

Samba and CERNBox: Providing online access to Windows-based users at CERN

Speaker

Giuseppe Lo Presti

18:19–18:32 **MetaCat - metadata catalog for data management systems**

Speaker

Igor Mandrichenko

18:32–18:45

ARCHIVER - Data archiving and preservation for research environments

Speaker

Ignacio Peluaga Lozada

18:45–18:58 **Exploring Object Stores for High-Energy Physics Data Storage**

Speaker

Javier Lopez Gomez

19:00