

24th International Conference on Computing in High Energy & Nuclear Physics

Monday, November 4, 2019

Track 4 – Data Organisation, Management and Access: community input, experiments and new perspectives - Riverbank R8 (11:00 AM - 12:30 PM)

-Conveners: Xavier Espinal

time	[id] title	presenter
11:00	[P30] ServiceX – A Distributed, Caching, Columnar Data Delivery Service	GALEWSKY, Benjamin
11:15	[M44] OSiRIS: A Distributed Storage and Networking Project Update	MC KEE, Shawn
11:30	[M40] Distributed data management on Belle II	PADOLSKI, Siarhei
11:45	[P32] Jiskefet, a bookkeeping application for ALICE	TEITSMA, Marten
12:00	[P38] Development of the JUNO Conditions Data Management System	Prof. HUANG, Xingtao
12:15	[P48] Evaluation of the ATLAS model for remote access to database resident information for LHC Run 3	GALLAS, Elizabeth

Track 4 – Data Organisation, Management and Access: distributed computing software and beyond - Riverbank R8 (2:00 PM - 3:30 PM)

-Conveners: Brian Paul Bockelman

time	[id] title	presenter
2:00 P	[M25] An Information Aggregation and Analytics System for ATLAS Frontier	FORMICA, Andrea
2:15 P	[M38] High Performance Data Format for CLAS12	Dr GAVALIAN, Gagik
2:30 P	[M88] XRootD 5.0.0: encryption and beyond	HANUSHEVSKY, Andrew Bohdan
2:45 P	[M15] FTS improvements for LHC Run-3 and beyond	KARAVAKIS, Edward
3:00 P	[M43] XRootD and Object Store: A new paradigm	ELLIS, Katy
3:15 P	[M42] Using WLCG data management software to support other communities	COLLIER, Ian

Tuesday, November 5, 2019

Track 4 – Data Organisation, Management and Access: Data transfer, data access and storage QoS - Riverbank R8 (11:00 AM - 12:30 PM)

-Conveners: Tigran Mkrtchyan

time	[id] title	presenter
11:00	A17 [M17] Modernizing Third-Party-Copy Transfers in WLCG	FORTI, Alessandra
11:15	A15 [M15] Third-party transfers in WLCG using HTTP	BOCKELMAN, Brian Paul
11:30	A13 [M13] Xrootd Third Party Copy for the WLCG and HL-LHC	YANG, Wei
11:45	A16 [M16] Quality of Service (QoS) for cost-effective storage and improved performance	LASSNIG, Mario
12:00	P10 [M10] A distributed R&D storage platform implementing quality of service	FUHRMANN, Patrick
12:15	P19 [M19] The Quest to solve the HL-LHC data access puzzle. The first year of the DOMA ACCESS Working Group.	ESPINAL, Xavier

Track 4 – Data Organisation, Management and Access: Caching - Riverbank R8 (2:00 PM - 3:30 PM)

-Conveners: Alessandra Forti

time	[id] title	presenter
2:00	M3 [M3] Smart caching at CMS: applying AI to XCache edge services	SPIGA, Daniele
2:15	M2 [M2] CMS data access and usage studies at PIC Tier-1 and CIEMAT Tier-2	FLIX MOLINA, Jose
2:30	M2 [M2] Moving the California distributed CMS xcache from bare metal into containers using Kubernetes	TADEL, Matevz
2:45	M27 [M27] Creating a content delivery network for general science on the backbone of the Internet using xcaches.	SFILIGOI, Igor
3:00	M18 [M18] Implementation and performances of a DPM federated storage and integration within the ATLAS environment	JEZEQUEL, Stephane
3:15	M4 [M4] Analysis and modeling of data access patterns in ATLAS and CMS	SCHULZ, Markus

Track 4 – Data Organisation, Management and Access: workflows and infrastructures - Riverbank R8 (4:30 PM - 6:00 PM)

-Conveners: Xavier Espinal

time	[id] title	presenter
4:30	M179 [M179] The ATLAS Data Carousel Project	ZHAO, Xin
4:45	M16 [M16] Transitioning CMS to Rucio Data Management	VAANDERING, Eric
5:00	M161 [M161] The Dynafed data federator as grid site storage element	BERGHAUS, Frank
5:15	M177 [M177] Data migration strategy based on file heat prediction with deep learning methods	FU, Shiyuan FU, Shiyuan
5:30	M111 [M111] ESCAPE prototypes a Data Infrastructure for Open Science	CAMPANA, Simone
5:45	M15 [M15] SkyhookDM: Mapping Scientific Datasets to Programmable Storage	LEFEVRE, Jeff

Thursday, November 7, 2019

Track 4 – Data Organisation, Management and Access: storage systems - Riverbank R8 (11:00 AM - 12:30 PM)

-Conveners: Brian Paul Bockelman

time	[id] title	presenter
11:00	P13 [P13] dCache - keeping up with the evolution of science	Mr MKRTCHYAN, Tigran
11:15	P13 [P13] Disk Pool Manager(DPM): From DOME to LHC Run-3	SCIACCA, Francesco Giovanni
11:30	P16 [P16] CDFS: A high-efficiency Data Access System for Storage Federations	FU, Shiyuan FU, Shiyuan
11:45	P15 [P15] CERN Tape Archive: production status, migration from CASTOR and new features	CANO, Eric
12:00	P19 [P19] Seeking an alternative to tape-based custodial storage	AHN, Sang Un
12:15	P10 [P10] CERN Disk Storage Services: report from last data taking, evolution and future outlook towards Exabyte-scale storage	MASCETTI, Luca

Track 4 – Data Organisation, Management and Access: storage systems evolution and challenges - Riverbank R8 (2:00 PM - 3:30 PM)

-Conveners: Alessandra Forti

time	[id] title	presenter
2:00	P68 [P68] Evolution of the S3 service at CERN as a storage backend for infrastructure services and software repositories	BOCCHI, Enrico
2:15	P1 [P1] EOS architectural evolution and strategic development directions	PETERS, Andreas Joachim
2:30	P2 [P2] Erasure Coding for production in the EOS Open Storage system	PETERS, Andreas Joachim
2:45	P9 [P9] The ATLAS EventIndex for LHC Run 3	BARBERIS, Dario
3:00	P73 [P73] Testing the performance of data transfer protocols on long-haul high bandwidth paths.	Dr HUGHES-JONES, Richard
3:15	P10 [P10] Using Graph Databases in HEP	HRIVNAC, Julius