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

# Monday, 4 November 2019

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

   -**Conveners: Xavier Espinal**

| time | [id] title | presenter |
|------|-----------|-----------|
| 11:00 | [53] ServiceX – A Distributed, Caching, Columnar Data Delivery Service | GALEWSKY, Benjamin |
| 11:15 | [494] OSiRIS: A Distributed Storage and Networking Project Update | MC KEE, Shawn |
| 11:30 | [140] Distributed data management on Belle II | PADOLSKI, Siarhei |
| 11:45 | [232] Jiskefet, a bookkeeping application for ALICE | TEITSMA, Marten |
| 12:00 | [338] Development of the JUNO Conditions Data Management System | Prof. HUANG, Xingtao |
| 12:15 | [248] 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 (14:00 - 15:30)**

   -**Conveners: Brian Paul Bockelman**

| time | [id] title | presenter |
|------|-----------|-----------|
| 14:00 | [225] An Information Aggregation and Analytics System for ATLAS Frontier | FORMICA, Andrea |
| 14:15 | [138] High Performance Data Format for CLAS12 | Dr GAVALIAN, Gagik |
| 14:30 | [188] XRootD 5.0.0: encryption and beyond | HANUSHEVSKY, Andrew Bohdan |
| 14:45 | [415] FTS improvements for LHC Run-3 and beyond | KARAVAKIS, Edward |
| 15:00 | [443] XRootD and Object Store: A new paradigm | ELLIS, Katy |
| 15:15 | [542] Using WLCG data management software to support other communities | COLLIER, Ian |

# Tuesday, 5 November 2019

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

-**Conveners: Tigran Mkrtchyan**

| time | [id] title | presenter |
|------|-----------|-----------|
| 11:00 | [477] Modernizing Third-Party-Copy Transfers in WLCG | FORTI, Alessandra |
| 11:15 | [355] Third-party transfers in WLCG using HTTP | BOCKELMAN, Brian Paul |
| 11:30 | [523] Xrootd Third Party Copy for the WLCG and HL-LHC | YANG, Wei |
| 11:45 | [356] Quality of Service (QoS) for cost-effective storage and improved performance | LASSNIG, Mario |
| 12:00 | [270] A distributed R&D storage platform implementing quality of service | FUHRMANN, Patrick |
| 12:15 | [309] 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 (14:00 - 15:30)**

-**Conveners: Alessandra Forti**

| time | [id] title | presenter |
|------|-----------|-----------|
| 14:00 | [63] Smart caching at CMS: applying AI to XCache edge services | SPIGA, Daniele |
| 14:15 | [72] CMS data access and usage studies at PIC Tier-1 and CIEMAT Tier-2 | FLIX MOLINA, Jose |
| 14:30 | [82] Moving the California distributed CMS xcache from bare metal into containers using Kubernetes | TADEL, Matevz |
| 14:45 | [127] Creating a content delivery network for general science on the backbone of the Internet using xcaches. | SFILIGOI, Igor |
| 15:00 | [218] Implementation and performances of a DPM federated storage and integration within the ATLAS environment | JEZEQUEL, Stephane |
| 15:15 | [84] 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 (16:30 - 18:00)**

-**Conveners: Xavier Espinal**

| time | [id] title | presenter |
|------|-----------|-----------|
| 16:30 | [179] The ATLAS Data Carousel Project | ZHAO, Xin |
| 16:45 | [66] Transitioning CMS to Rucio Data Management | VAANDERING, Eric |
| 17:00 | [361] The Dynafed data federator as grid site storage element | BERGHAUS, Frank |
| 17:15 | [377] Data migration strategy based on file heat prediction with deep learning methods | FU, Shiyuan FU, Shiyuan |
| 17:30 | [111] ESCAPE prototypes a Data Infrastructure for Open Science | CAMPANA, Simone |
| 17:45 | [85] SkyhookDM: Mapping Scientific Datasets to Programmable Storage | LEFEVRE, Jeff |

# Thursday, 7 November 2019

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

   **-Conveners: Brian Paul Bockelman**

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [93] dCache - keeping up with the evolution of science | Mr MKRTCHYAN, Tigran |
| 11:15 | [413] Disk Pool Manager(DPM): From DOME to LHC Run-3 | SCIACCA, Francesco Giovanni |
| 11:30 | [276] CDFS: A high-efficiency Data Access System for Storage Federations | FU, Shiyuan<br>FU, Shiyuan |
| 11:45 | [395] CERN Tape Archive: production status, migration from CASTOR and new features | CANO, Eric |
| 12:00 | [529] Seeking an alternative to tape-based custodial storage | AHN, Sang Un |
| 12:15 | [470] 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 (14:00 - 15:30)

   **-Conveners: Alessandra Forti**

| time | [id] title | presenter |
|---|---|---|
| 14:00 | [468] Evolution of the S3 service at CERN as a storage backend for infrastructure services and software repositories | BOCCHI, Enrico |
| 14:15 | [301] EOS architectural evolution and strategic development directions | PETERS, Andreas Joachim |
| 14:30 | [302] Erasure Coding for production in the EOS Open Storage system | PETERS, Andreas Joachim |
| 14:45 | [209] The ATLAS EventIndex for LHC Run 3 | BARBERIS, Dario |
| 15:00 | [273] Testing the performance of data transfer protocols on long-haul high bandwidth paths. | Dr HUGHES-JONES, Richard |
| 15:15 | [210] Using Graph Databases in HEP | HRIVNAC, Julius |