26TH INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY & NUCLEAR PHYSICS (CHEP2023)

Monday, May 8, 2023

Track 7 - Facilities and Virtualization: Dynamic Provisioning and Anything-As-A-Service - Marriott Ballroom IV (11:00 AM - 12:30 PM)

  -Conveners: Tomoe Kishimoto; Derek Weitzel

time	[id] title	presenter
11:00 AM	[551] Securing an Open and Trustworthy Ecosystem for Research Infrastructure and Applications (SOTERIA)	BOCKELMAN, Brian
11:15 AM	[173] Modular toolsets for integrating HPC clusters in experiment control systems	Dr AL-TURANY, Mohammad
11:30 AM	[357] Federated Heterogenous Compute and Storage Infrastructure for the PUNCH4NFDI Consortium	Dr GIFFELS, Manuel
11:45 AM	[410] Progress on cloud native solution of Machine Learning as Service for HEP	GIOMMI, Luca
12:00 PM	[38] Demand-driven provisioning of Kubernetes-like resource in OSG	ANDRIJAUSKAS, Fabio SCHULTZ, David

Track 7 - Facilities and Virtualization: Analysis Facilities - Marriott Ballroom IV (2:00 PM - 3:30 PM)

  -Conveners: Tomoe Kishimoto; Derek Weitzel

time	[id] title	presenter
2:00 PM	[567] Experience deploying an analysis facility for the Rubin Observatory's Legacy Survey of Space and Time (LSST) data	MAINETTI, Gabriele
2:15 PM	[157] The Spanish CMS Analysis Facility at CIEMAT	Dr DELGADO PERIS, Antonio Dr PÉREZ-CALERO YZQUIERDO, Antonio
2:30 PM	[354] The Creation and Evolution of the US ATLAS Shared Analysis Facilities	RIND, Ofer
2:45 PM	[87] Toward Ten-Minute Turnaround in CMS Data Analysis: The View from Notre Dame	LAWRENCE, John
3:00 PM	[534] Data handling of CYGNO experiment using INFN-Cloud solution	Dr MAZZITELLI, Giovanni
3:15 PM	[118] I/O performance studies of analysis workloads on production and dedicated resources at CERN	SCIABÀ, Andrea

Tuesday, May 9, 2023

Track 7 - <u>Facilities and Virtualization: Computing Centre Infrastructure</u> - Marriott Ballroom IV (11:00 AM - 12:30 PM)

-Conveners: Arne Wiebalck; Derek Weitzel

time	[id] title	presenter
11:00 AM	[556] Finalizing Transition to the New Data Center at BNL	Mr ZAYTSEV, Alexandr
11:15 AM	[505] Measuring Carbon: Net-Zero and the IRISCAST Project	OWEN, Alex
11:30 AM	[411] The IT infrastructure of the LUX-ZEPLIN experiment at SURF	Dr LUITZ, Steffen
11:45 AM	[358] Estimating the environmental impact of a large Tier 2	WHITEHOUSE, Dan
12:00 PM	[392] Migrating the INFN-CNAF datacenter to the Bologna Tecnopolo - a status update	Dr PELLEGRINO, Carmelo
12:15 PM	[180] Data Centre Refurbishment with the aim of Energy Saving and Achieving Carbon Net Zero	TRAYNOR, Daniel

Track 7 - <u>Facilities and Virtualization: Computing Centre Infrastructure and Cloud</u> - Marriott Ballroom IV (2:00 PM - 3:30 PM)

-Conveners: Arne Wiebalck; Derek Weitzel

time	[id] title	presenter
2:00 PM	[120] HEPscore: a new benchmark for WLCG compute resources	Dr SOBIE, Randall
2:15 PM	[49] Using CRIU for checkpointing batch jobs	ANDRIJAUSKAS, Fabio
2:30 PM	[323] Preparing for a new Data Center: Automated Management of a 10'000 node bare-metal fleet in CERN IT	Dr WIEBALCK, Arne
2:45 PM	[340] A grid site reimagined: building a fully cloud-native ATLAS T2 on Kubernetes	TAYLOR, Ryan Paul
3:00 PM	[372] Accelerating science: the usage of commercial clouds in ATLAS distributed computing	MEGINO, Fernando Harald Barreiro
3:15 PM	[566] Financial Case Study on the Use of Cloud Resources in HEP Computing	MISAWA, Shigeki LAURET, Jerome

Track 7 - <u>Facilities and Virtualization: Networking</u> - Marriott Ballroom IV (4:30 PM - 6:00 PM)

-Conveners: Derek Weitzel; Tomoe Kishimoto

time	[id] title	presenter
4:30 PM	[288] The Global Network Advancement Group: A Next Generation System for the LHC and Data Intensive Sciences	NEWMAN, Harvey
4:45 PM	[122] NOTED: An intelligent network controller to improve the throughput of large data transfers in File Transfer Services by handling dynamic circuits	MISA MOREIRA, Carmen
5:00 PM	[231] Experiences in deploying in-network data caches	KISSEL, Ezra
5:15 PM	[60] Complete End-to-End Network Path Control for Scientific Communities with QoS Capabilities	GUOK, Chin
5:30 PM	[123] P4flow: A software-defined networking approach with programmable switches for accounting and forwarding IPv6 packets with user-defined flow label tags	MISA MOREIRA, Carmen

5:45 PM	[23] Apptainer Without Setuid	DYKSTRA, Dave

Thursday, May 11, 2023

Track 7 - Facilities and Virtualization: HPC and Deployment - Marriott Ballroom IV (11:15 AM - 12:45 PM)

-**Conveners: Arne Wiebalck; Tomoe Kishimoto**

time	[id] title	presenter
11:15 AM	[52] Application of a supercomputer Tianhe-II in BESIII	HU, Biying
11:30 AM	[156] Integration of the Barcelona Supercomputing Center for CMS computing: towards large scale production	Dr JOSEP, Flix
11:45 AM	[64] Commissioning of US HPC GPU resources for CMS Data Reconstrucion	HUFNAGEL, Dirk
12:00 PM	[541] Results from Large-scale HPC deployment of Scalable CyberInfrastructure for Artificial Intelligence and Likelihood Free Inference (SCAILFIN)	Dr HURTADO ANAMPA, Kenyi
12:15 PM	[243] Lifecycle Management, Business Continuity and Disaster Recovery Planning for the LHCb Experiment Control System Infrastructure	CIFRA, Pierfrancesco
12:30 PM	[339] Optimization of opportunistic utilization of the ATLAS High-Level Trigger farm for LHC Run3	GLUSHKOV, Ivan

Track 7 - Facilities and Virtualization: Deployment, Management and Monitoring - Marriott Ballroom IV (2:00 PM - 3:30 PM)

-**Conveners: Tomoe Kishimoto; Arne Wiebalck**

time	[id] title	presenter
2:00 PM	[71] Implementation of New Security Features in the CMSWEB Kubernetes Cluster at CERN	MASCHERONI, Marco
2:15 PM	[394] Adapting GitOps to manage Helmholtz Cloud services at DESY	BEERMANN, Thomas
2:30 PM	[294] Architecting the OpenSearch service at CERN	PAPADOPOULOS, Sokratis
2:45 PM	[612] Artificial Intelligence for improved facilities operation	JAIN, Milan
3:00 PM	[473] Management of Batch worker node lifecycle and maintenance at CERN with BrainSlug (our in-house state-manager daemon), Rundeck and StackStorm	Mr JONES, Ben
3:15 PM	[312] Overcoming obstacles to IPv6 on WLCG	KELSEY, David