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

Monday, 4 November 2019

Track 9 – Exascale Science: HPC facilities - Riverbank R4 (11:00 - 12:30)

-Conveners: Fabio Hernandez

time	[id] title	presenter
11:00	[107] Extension of the INFN Tier-1 on a HPC system	BOCCALI, Tommaso
11:15	[271] Large-scale HPC deployment of Scalable CyberInfrastructure for Artificial Intelligence and Likelihood Free Inference (SCAILFIN)	HILDRETH, Mike
11:30	[440] EuroEXA: an innovative and scalable FPGA-based system for extreme scale computing in Europe	VICINI, Piero
11:45	[555] Using HEP workloads to optimize requirements for procurement of a future HPC facility	AAIJ, Roel
12:00	[329] Deep Learning for HEP on HPC at NERSC	FARRELL, Steven

Track 9 – Exascale Science: Strategies by experiments and organizations - Riverbank R4 (14:00 - 15:30)

-Conveners: Wei Yang

time	[id] title	presenter
14:00	[55] High Performance Computing for High Luminosity LHC	GIRONE, Maria
14:15	[74] CMS Strategy for HPC resource exploitation	PEREZ-CALERO YZQUIERDO, Antonio
14:30	[104] Modeling of the CMS HL-LHC computing system	LANGE, David
14:45	[203] Integrating LHCb workflows on HPC resources: status and strategies	STAGNI, Federico
15:00	[213] Enabling ATLAS big data processing on Piz Daint at CSCS	SCIACCA, Francesco Giovanni

Tuesday, 5 November 2019

Track 9 – Exascale Science: Porting applications to HPCs - Riverbank R4 (11:00 - 12:30)

-Conveners: Steven Farrell

time	[id] title	presenter
11:00	[35] MPI-based tools for large-scale training and optimization at HPC sites	LONCAR, Vladimir
11:15	[134] Migrating Engineering Windows HPC applications to Linux HTCondor and SLURM Clusters	ALANDES PRADILLO, Maria
11:30	[370] Geant Exascale Pilot Project	SEXTON-KENNEDY, Elizabeth
11:45	[551] Covariance Matrix Acceleration on a Hybrid FPGA/CPU Platform	ARNOLD, Lukas On
12:00	[490] 3D Generative Adversarial Networks inference implementation on FPGAs	CARMINATI, Federico

Thursday, 7 November 2019

Track 9 – Exascale Science: Scheduling, computing environment - Riverbank R1 (11:00 - 12:30)

-Conveners: Fabio Hernandez

time	[id] title	presenter
11:00	[70] Exploiting network restricted compute resources with HTCondor: a CMS experiment experience	FLIX MOLINA, Jose
11:15	[214] Improvements in utilisation of the Czech national HPC center by ATLAS distributed computing	SVATOS, Michal
11:30	[222] Large scale fine grain simulation workflows ("Jumbo Jobs") on HPC's by the ATLAS experiment	BENJAMIN, Doug
11:45	[345] Physics Data Production on HPC: Experience to be efficiently running at scale	POAT, Michael
12:00	[393] Advancing physics simulation and analysis workflows from customized local clusters to Cori - the HPC optimized sub-million cores system at NERSC	BALEWSKI, Jan

Track 9 – Exascale Science: Software environment, quantum algorithms, others - Riverbank R1 (14:00 - 15:30)

-Conveners: Steven Farrell

time	[id] title	presenter
14:00	[418] The SKA Science Data Processor (SDP): final design and getting ready for the construction phase	Dr ORD, Stephen
14:15	[518] Rapid Development of Accelerated Imaging Algorithms for ASKAP	Dr ORD, Stephen
14:30	[41] Physics beyond the Standard Model in the evolving computing architecture of the KISTI-5 supercomputer	Prof. CHO, Kihyeon
14:45	[368] Enabling change for validated exascale fusion nuclear science	Prof. DAVIS, Andrew
15:00	[379] Testing GPU inverters on ROCm	BI, Yujiang