ICSC and Spoke 2 - Where Are We Now?

Wednesday, 11 December 2024

Lightning Talks: Lightning Talk session 0 - Conference Room (12:30 - 13:00)

time	[id] title	presenter
12:30	[125] Lightning Talk: Heavy flavours jet substructure	GHIRA, Andrea
12:40	[126] Lightning Talk: SAIFIN (Satellite data and Artificial Intelligence for FINtech	GARINEI, Alberto
12:50	[127] Lightning Talk: FaDER - Assisting real-time track reconstruction for LHC experiments	COCCARO, Andrea SCHIAVI, Carlo

Lightning Talks: Lightning Talks Session #1 - Conference Room (15:30 - 16:30)

time	[id] title	presenter
15:30	[128] Lightning Talk: The AIDA project: galaxy formation in alternative dark matter models	DESPALI, Giulia
15:40	[129] Lightning Talk: Lattice QCD in the exascale computing era	Dr CÈ, Marco
15:50	[130] Lightning Talk: Machine Learning for event reconstruction in Super-Kamiokande	CALABRIA, Nicola Fulvio
16:00	[131] Lightning Talk: Optimal use of timing measurement in vertex reconstruction at CMS	DE LEO, Ksenia
16:10	[132] Towards virtual painting recolouring using Vision Transformer on X-Ray Fluorescence datacubesLightning Talk:	BOMBINI, Alessandro
16:20	[133] Lightning Talk: An API for training Physics-Informed Kolmogorov-Arnold Networks using Nvidia Modulus SYM	BOMBINI, Alessandro

Lightning Talks: Lightning Talks Session #2 - Conference Room (17:00 - 18:50)

time	[id] title	presenter
17:00	[134] Lightning Talk: Implementation of low latency, fast inference neural networks on FPGA for trigger-like systems	LOFFREDO, Salvatore
17:10	[135] Lightning Talk: Quasi interactive analysis of big data with high throughput - where are we now?	GRAVILI, Francesco Giuseppe
17:20	[136] Lightning Talk: Building a Versatile HPC Data Center: a STILES lesson	RAGOSTA, Fabio
17:30	[137] Lightning Talk: Accelerating LHCb VELO U2 Design with Machine Learning: A Fast Simulation Approach for the TimeSPOT Sensor	Dr LIANG, Zhihua
17:40	[138] Lightning Talk: High rate analysis benchmarks	TEDESCHI, Tommaso
17:50	[139] Lightning Talk: Graph Anomaly Detection with GNNs: A Case Study on Predictive Maintenance for ENI's Industrial Machinery	ZURLO, Giovanni
18:00	[140] Lighning Talk: Declarative framework for analysis definition and implementation	MASTRANDREA, Paolo
18:10	[141] Lightning Talk: LoopIn: a code for automating scattering amplitudes calculations	RONCA, Jonathan

18:20	[142] Lightning Talk: Super-Resolution Surrogate Model for Accelerated Geant4 Simulations	GALLO, Giuseppe
18:30	[143] Lightning Talk: BoGEMMS-HPC: development of Geant4 simulations in High-Performance Computing environments	CIABATTONI, Alex
18:40	[151] Lightning Talk: Satellite Data Management for advanced environmental applications	PIPARO, Giuseppe

Thursday, 12 December 2024

<u>**Lightning Talks: Lightning Talks Sessione #3**</u> **- Conference Room (09:40 - 11:15)**

time	[id] title	presenter
09:50	[144] Lightning Talk: Hyperparameter Optimization for Deep Learning Models Using High-Performance Computing	ANWAR, Muhammad Numan
10:00	[145] Lightning Talk: The Frequency-Hough project: algorithm optimization and HPC for present and future continuous gravitational-wave searches	PIERINI, Lorenzo
10:10	[146] Lightning Talk: GWTboost: boosting the efficiency of gravitational–wave transient detections	PRINCIPE, Giacomo
10:20	[147] Lightning Talk: Extending Rucio to support external metadata catalog	PACIOSELLI, Luca
10:30	[148] Lightning Talk: Data traceability model implementation in the Rucio data lake	RANIERI, Domingo
10:40	[152] Lightning Talk: Deep learning applications for the analysis of Sentinel-2 satellite imagery	Dr ANASTASI, Gioacchino Alex
10:50	[154] Lightning Talk: Vector Boson Scattering with Machine Learning in Boosted Topologies at CMS	DELLA PENNA, Luca
11:00	[157] A numerical framework to study topologically induced flow patterns in active emulsions	NEGRO, Giuseppe