

Symposium on Nuclear Electronics and Computing - NEC'2019

Thursday, 3 October 2019

Machine Learning Algorithms and Big Data Analytics - Splendid Conference & SPA Resort, Conference Hall

Petroviča (09:00 - 11:15)

-Conveners: Gennady Ososkov

time	[id] title	presenter
09:00	[165] Structural approach to the deep learning method	Dr KULYABOV, Dmitry
09:15	[182] The use of CNN for image analysis from Cherenkov telescopes in the TAIGA experiment	Dr KRYUKOV, Alexander
09:30	[152] A study on performance assessment of essential clustering algorithms for the interactive visual analysis toolkit InVEx	TITOV, Mikhail
09:45	[171] Identification of tau lepton using Deep Learning techniques at CMS	ANDROSOV, Konstantin
10:00	[127] DijetGAN: A Generative-Adversarial Network Approach for the Simulation of QCD Dijet Events at the LHC	Dr FAUCCI GIANNELLI, Michele
10:15	[191] Anomaly detection and breakdown prediction in RF power source output: a review of approaches	Mr DONON, Yann
10:30	[206] Investigating new neural network methods for the NOvA experiment	Mr KULLENBERG, Christopher
10:45	[224] Tracking for BM@N GEM detector on the basis of graph neural network	Mr SHCHAVELEV, Egor
11:00	[251] The new machine learning approach for exclusion of afterpulses in drift chamber data	Mr VOROBYEV, Vladislav

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Petroviča (11:30 - 13:30)

-Conveners: Petr Zrelov

time	[id] title	presenter
11:30	[236] LOOT: Novel end-to-end trainable convolutional neural network for particle track reconstruction	Mr GONCHAROV, Pavel
11:45	[130] Global Neutrino Analysis framework and GPU based computations	Ms FATKINA, Anna
12:00	[249] Accelerating the particle-in-cell method of plasma and particle beam simulation using CUDA tools	Mr KADOCHNIKOV, Ivan
12:15	[237] Blocking strategies to accelerate record matching for Big Data integration	Mr KADOCHNIKOV, Ivan
12:30	[244] Big Data technologies for labour market analysis	BELOV, Sergey
12:45	[245] DYNAMIC APACHE SPARK CLUSTER FOR ECONOMIC MODELING	Ms GAVRILENKO, IULIJA
13:00	[134] Simulating Lattice QCD on the "Govorun" Supercomputer	KOTOV, Andrey
13:15	[179] Hit finder and track reconstruction algorithms in the Multi-Wire Proportional Chambers of BM@N experiment	Prof. NEMNYUGIN, Sergei