

DS@HEP 2017

Monday, 8 May 2017

DS Techniques and HEP Applications: Computer vision I (09:30 - 10:15)

time	[id] title	presenter
09:30	[15] Review talk on Computer vision	PERONA, Pietro

DS Techniques and HEP Applications: Computer vision II (10:35 - 11:50)

time	[id] title	presenter
10:35	[16] Jet Image	NACHMAN, Ben NACHMAN, Benjamin
11:00	[45] jet b-tagging with ConvNN	STOYE, Markus
11:25	[17] Convolutional NNs for neutrino experiments	Dr RADOVIC, Alexander

DS Techniques and HEP Applications: Computer Vision III (14:00 - 14:45)

time	[id] title	presenter
14:00	[18] Convolutional NNs for tracking	STEVE, Farrell
14:22	[19] Image Calorimetry: status and challenges	BENDAVID, Josh

Tuesday, 9 May 2017

DS Techniques and HEP Applications: Sequential/Recursive Learning (09:00 - 10:35)

time	[id] title	presenter
09:00	[20] Review talk on Sequential/Recursive Learning	CHO, Kyunghyun
09:45	[21] Jet b-tagging with RNNs	GUEST, Dan
10:10	[43] Topology classifier with LSTM	VLIMANT, Jean-Roch Dr VLIMANT, Jean-Roch

DS Techniques and HEP Applications: Anomaly/Outlier Detection (13:30 - 15:40)

time	[id] title	presenter
13:30	[29] Review on Anomaly/Outlier detection	GERMAIN, Cecile
14:05	[23] Monitoring the LHC magnets	WIELGOSZ, Maciej
14:28	[30] Good Data Certification at the LHC	RATNIKOV, Fedor
14:51	[31] Machine learning to control an X-ray laser	RATNER, Daniel
15:14	[42] Online DQM with Machine Learning	ADRIAN, Pol

Wednesday, 10 May 2017

DS Techniques and HEP Applications: Adversarial Networks I (09:00 - 10:35)

time	[id] title	presenter
09:00	[24] Review of Adversarial Networks	BALAPRAKASH, Prasanna
09:45	[25] GANs for Jets	Ms PAGANINI, Michela PAGANINI, Michela
10:10	[27] GANs for simulation	VALLECORSA, Sofia

DS Techniques and HEP Applications: Adversarial Networks II (11:00 - 11:50)

time	[id] title	presenter
11:00	[26] Systematics mitigation	LOUPPE, Gilles
11:25	[46] Training neural networks on data	RUBBO, Francesco Mr RUBBO, Francesco

Thursday, 11 May 2017

DS Techniques and HEP Applications: Computing Infrastructure I (09:00 - 10:25)

time	[id] title	presenter
09:00	[38] Infrastructure for Large Scale HEP data analysis	CREMONESI, Matteo
09:25	[39] A path toward HEP data analysis using high performance computing	SEHRISH, Saba
09:50	[40] Large-scale network training with MPI	ANDERSON, Dustin

DS Techniques and HEP Applications: Computing Infrastructure II (10:55 - 11:50)

time	[id] title	presenter
10:55	[47] Data plumbing: moving data across frameworks	Dr PIVARSKI, Jim
11:20	[41] CERN OpenLab: Machine Learning, HEP, and Industry	GIRONE, Maria