

IML meeting – NEWS

Lorenzo Moneta (CERN) Markus Stoye (Imperial College, DSI)
Paul Seyfert (CERN) Rüdiger Haake (CERN)
Steven Schramm (Université de Genève)



- welcome to Rüdiger Haake as IML coordinator for ALICE

directory of people in ML for HEP



Michela Paganini
@mickoMcky

Do you want to get to know more people doing research in #MachineLearning for High Energy #Physics? Looking for speakers? Need advice on a project? Check out this directory we just started (modeled after the WIML list): mickypaganini.github.io/HEPML_directory And sign up if you too are in #HEPML

8:14 PM - 21 Feb 2018

4 Retweets 12 Likes



HEPML DIRECTORY

Inspired by the WIML directory, we have created a list of people working at the intersection of Machine Learning and High Energy Physics. The list is opt-in; if you wish to be included, please fill out this form.

This directory is temporarily hosted here while awaiting relocation.

Contact Information (Responses) : Form Responses 1

	C	D	E	F	G	H
1	Name	Gender	Position	Current affiliation	Experiment	Keywords describing your HEPML research topics
2	Michela Paganini	Female	Ph.D. student	Yale University	ATLAS	GANs for fast calorimeter simulation, b-tagging, jet images, computer vision, Monte-Carlo tuning
3	Luís de Oliveira	Male	Founder / Research affiliate	Vai Technologies / Berkeley Lab		Deep learning, GANs, jet images, calorimeter simulation
4	Matthew Feickert	Male	Ph.D. student	Southern Methodist University	ATLAS	background estimation with deep learning

Deep learning GAN Higgs bb fast

- http://mickypaganini.github.io/HEPML_directory
- field of ML in HEP is too large to know everybody
- it's easy to overlook projects when compiling summaries, recommending speakers, seeking similar projects to your own
- voluntary google docs form on opt-in basis

 benchmark data sets

- follow-up our previous meeting on benchmark datasets
- let's not have all central work done by the coordinators
- looking for a volunteer to help collate and support the centralization of benchmark data sets for the benefit of all HEP ML users
- opportunity for long lasting glory
- (self-)nomination to iml.coordinators@cern.ch

upcoming events

next EP/IT datas science seminar

next week (7th March, Council Chamber, 11h CET)

David Rousseau

“TrackML : The High Energy Physics Tracking Challenge”

<https://indico.cern.ch/event/702054/>

second IML workshop coming up


9th April – 12th April, 144 registrations so far

<https://indico.cern.ch/e/IML2018>

Please sign up early if you need access, certificate of attendance, WiFi account, ...



today's meeting

15:00	→ 15:10	News ↑	🕒 10m	🔗
Speakers: Lorenzo Moneta (CERN), Markus Sloye (Princeton College (DE)), Paul Seyfert (CERN), Rudiger Haake (CERN), Steven Schramm (Universite de Geneve (CH))				
15:10	→ 15:30	TensorFlow for amplitude analyses	🕒 20m	🔗
https://gitlab.cern.ch/poluekt/TensorFlowAnalysis				
Speaker: Anton Poluektov (University of Warwick (GB))				
15:35	→ 15:55	TensorFlow in CMS5W	🕒 20m	🔗
Speaker: Marcel Rieger (RWTH Aachen University (DE))				
16:00	→ 16:20	Techlab's GPU offering	🕒 20m	🔗
Speaker: Maxime Reis (CERN)				
16:25	→ 16:45	Uproot: rapidly moving data from ROOT to Numpy and Pandas	🕒 20m	🔗
https://github.com/scikit-hep/uproot				
Speaker: Jim Pivarski (Princeton University)				
 pivarski-uproot.pdf				
16:50	→ 17:50	IML workshop hackathon advertisements		🔗
16:50		TrackML	🕒 5m	🔗
Speaker: Dr. Jean-Roch Vilmar (California Institute of Technology (US))				
16:55		negative per-event weights	🕒 5m	🔗
Speaker: Paul Seyfert (CERN)				

slides (excl. cern logo) will appear on



<https://gitlab.cern.ch/pseyfert/slides-implnews-2018-02-28>