



IML News

IML Working Group Monthly Meeting

July 5, 2022

IML Coordinators

Fabio Catalano (ALICE), Michael Kagan (ATLAS), Pietro Vischia (CMS),
Simon Akar (LHCb), Lorenzo Moneta (SFT), Anja Butter (TH), Riccardo Torre (TH)



Today's Meeting

Topic of today: computing tools and resources for machine learning

IML Machine Learning Working Group



Tuesday 5 Jul 2022, 15:00 → 18:00 Europe/Zurich

6/2-024 - BE Auditorium Meyrin (CERN)

Videoconference



IML Machine Learning Working Group

Join

6/2-024



15:00 → 15:05 **News**

5m



Speakers: Anja Butter, Fabio Catalano (University and INFN Torino (IT)), Lorenzo Moneta (CERN), Michael Aaron Kagan (SLAC National Accelerator Laboratory (US)), Dr Pietro Vischia (Universite Catholique de Louvain (UCL) (BE)), Riccardo Torre (INFN e Universita Genova (IT)), Simon Akar (University of Cincinnati (US))

15:05 → 15:25 **ML Resources at CERN: a user experience**

20m



Speaker: Maurizio Pierini (CERN)

15:25 → 15:45 **SOFIE: C++ Code Generation for Fast Deep Learning Inference**

20m



Speaker: Lorenzo Moneta (CERN)

15:45 → 16:05 **SONIC: Coprocessors as a service for deep learning inference in high energy physics**

20m



Speaker: William Patrick McCormack (Massachusetts Inst. of Technology (US))

Next Workshops

- **Second MODE Workshop** on Differential Programming for Experiment Design
 - 12–16 Sept 2022, OAC conference center, Kolymbari, Crete, Greece.
 - see event Web [page](#)
- **ACAT 2022** (*21st International Workshop on Advanced Computing and Analysis Techniques in Physics Research*)
 - 24-28 October, Villa Romanazzi Carducci, Bari, Italy
 - Abstract submission deadline: July 14
 - see conference Web [page](#)

Next IML Meeting

- Date for next meeting:
 - Tuesday 30 August
 - Please let us know for interesting topics to discuss
 - contact us at [iml.coordinators@cern.ch](mailto:iml coordinators@cern.ch) if you are also interested in presenting

Useful links:

- meetings: <https://iml.web.cern.ch/meetings>
- IML mailing list: <https://iml.web.cern.ch/forum>