

Intel® Software Development Tools for Artificial Intelligence (Webinar)

Report of Contributions

Contribution ID: 2

Type: **not specified**

Intel's Support for Artificial Intelligence (AI)

Tuesday 17 November 2020 09:15 (1h 15m)

- Intel's Hardware and Software directions for Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL)
- Hardware Accelerated Deep Learning instructions and implementations, DL Boost, VNNI instructions
- oneAPI Tools Framework delivering Intel AI development tools

Session Classification: Morning Session

Contribution ID: 3

Type: **not specified**

Performance optimized Python

Tuesday 17 November 2020 10:30 (1h 30m)

- Python Demos with focus on Classical Machine Learning examples and algorithms
- Data Analysis and preparation with Modin – a new library designed to accelerate Pandas by automatically distributing the computation across all of system’s available CPUs

Session Classification: Morning Session

Contribution ID: 4

Type: **not specified**

Performance optimization

Tuesday 17 November 2020 13:00 (2h 30m)

- Performance optimized Frameworks solutions from Intel Tensorflow, Caffe, Pytorch, and others
- Performance acceleration with Intel MKL and Intel MKL-DNN for Deep Neural Network

Session Classification: Afternoon Session

Contribution ID: 5

Type: **not specified**

Accelerate Training and Inference of Distributed solutions on HPC (MPI) environments using Xeon (x86)

Tuesday 17 November 2020 16:00 (1 hour)

- Distributed Tensorflow with Horovod
- Distributed Machine Learning with Daal4py

Session Classification: Afternoon Session