

**HPC workshop on  
heterogeneous architectures  
with SYCL / INTEL ONEAPI**

**Rapport sur les  
contributions**

ID de Contribution: 1

Type: **Non spécifié**

## **General public introduction**

*lundi 28 novembre 2022 10:00 (2h 30m)*

Heterogeneous programming

**Classification de Session:** Morning session

ID de Contribution: 4

Type: **Non spécifié**

## **Program the heterogeneous environment without constructor dependency with SYCL with examples of the code**

*lundi 28 novembre 2022 13:30 (3 heures)*

**Classification de Session:** Afternoon session

ID de Contribution: 6

Type: **Non spécifié**

## **Overview of Intel oneAPI compute libraries and compatibility tools**

*mardi 29 novembre 2022 09:30 (2h 30m)*

- Presentation of oneDPL, oneTBB, oneMKL compute libraries
- Compatibility Tool (CUDA/SYCL conversion)

**Classification de Session:** Morning session

ID de Contribution: 7

Type: **Non spécifié**

## **Tutorial on using the Compatibility Tool**

*mardi 29 novembre 2022 13:30 (3 heures)*

**Classification de Session:** Afternoon session

ID de Contribution: **8**

Type: **Non spécifié**

## **Profiling and analyzing code performance using Vtune/Advisor**

*mercredi 30 novembre 2022 09:30 (2h 30m)*

**Classification de Session:** Morning session

ID de Contribution: **9**

Type: **Non spécifié**

## **Practical work code optimization**

*mercredi 30 novembre 2022 13:30 (3 heures)*

**Classification de Session:** Afternoon session

ID de Contribution: **10**

Type: **Non spécifié**

## Overview of Intel Tools for Artificial Intelligence

*jeudi 1 décembre 2022 09:30 (2h 30m)*

For years Intel has been developing tools and approaches to help Data Scientists and AI practitioners solve their everyday problems and accelerate the standard workflows. Come and see how Intel hardware has evolved to include specific features to accelerate AI workloads, including classical machine learning and Deep Learning. Learn how to make your existing AI code run faster on the CPU by using Intel tools and techniques. Discover how to improve your workflows and security.

**Classification de Session:** Morning session



ID de Contribution: **11**

Type: **Non spécifié**

## **Practil work AI**

*jeudi 1 décembre 2022 13:30 (3 heures)*

**Classification de Session:** Afternoon session