

Intel Workshop on Artificial Intelligence

Module 1

Modernize your high performance computing and AI application using Intel Software Tool

- Overview of Intel® Parallel Studio XE
- Overview of Intel AI framework
- Intel Architecture of HPC & AI applications

Module 2

Identifying Vectorization opportunities

- Intel® Advisor XE Overview - Features, Workflow & Understanding the results
- Determining if your code has opportunities for Parallelism (Hands on Lab)
- Determining correctness in your code (Hands on Lab)
- Understanding vectorization and how it impacts performance

Module 3

Accelerating Machine learning applications on Intel Architecture

- Key features, basic facts
- Take a deep dive into Intel® DAAL algorithms
- API review through code samples & demo

Module 4

Building Machine Learning applications with Intel® Distribution for Python

- Introduction to Intel® Distribution of Python*
- Accelerate computational packages: NumPy, scikit-learn, and more
- Hands on Lab and demo