

"The instructor is gifted and has broad experience. He is excellent at answering questions in context."

Bill Ward, LANL

Learn from the Experts OpenCL TRAINING



OpenCL TRAINING - 4 Day Course

Partnering with AMD, this professional four day course is designed for programmers who are looking to develop comprehensive skills in writing and optimizing applications that fully leverage data parallel processing capabilities of GPUs.

Clients can access our top rated training on techniques for parallel programming in OpenCL specifically tailored for AMD GPUs and APUs. The courses are taught by experienced OpenCL programmers who have real world experience developing commercial applications using OpenCL.

Acceleware's customized OpenCL training consists of classroom lectures and several practical hands-on exercises.

LEARN FROM THE BEST

The courses are taught by Acceleware programmers who bring real world experience into the classroom. To date Acceleware has delivered over 100 courses across four continents, teaching hundreds of programmers how to run computations faster with OpenCL training.

PRIVATE ON-SITE COURSES

In addition to the published class schedule Acceleware offers private on-site courses. We will travel to your location and can tailor the content specifically to your needs.

In partnership with AMD



Course Outline

Day 1:

- Overview of GPU computing
- OpenCL software
- Data-parallel architectures and the OpenCL programming model
- The OpenCL memory model & work-item cooperation
- Hands-on-Exercise

Day 2:

- Task concurrency & synchronization
- Images and graphics interoperability
- Debugging GPU programs and numerical accuracy
- Hands-on-Exercise

Day 3:

- Latency and the execution model
- Arithmetic optimizations
- Memory optimizations
- Hands-on-Exercise

Day 4:

- Profiling applications
- Case study - 3D Convolution (or other case study)
- Hands-on-Exercise

Wrap-up