

NVIDIA Workshop: Fundamentals of Accelerated Computing with Modern CUDA C++

Certificate of completion

This certifies that Aleksander Kalacun completed the training "NVIDIA Workshop: Fundamentals of Accelerated Computing with Modern CUDA C++".

Training date	19 June 2025
Training duration	8 hours
Certificate number	202506-38
Certificate issue date	9 September; no year is printed in the original.

Competencies acquired

- Understanding the fundamental concepts of parallel computing and GPU acceleration.
- Writing and compiling C++ code that runs directly on GPUs using CUDA.
- Optimizing memory usage and data transfers between CPUs and GPUs.
- Using high-performance CUDA parallel algorithms to simplify application development.
- Implementing custom parallel data-processing algorithms with CUDA kernels.
- Using CUDA streams to overlap computation and data transfers.
- Profiling and optimizing CUDA applications with NVIDIA Nsight Systems.
- Identifying opportunities to accelerate existing CPU code with CUDA.

Signatories identified in the original

Marko Drobnjak, Chair of the EuroCC SLING Consortium Management Board.

Jani Dugonik, Institute of Informatics, Faculty of Electrical Engineering and Computer Science, University of Maribor.

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