



Contribution ID: 127

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## (optional) CUDA training

*Saturday, 10 September 2022 09:00 (2 hours)*

### **Fundamentals of Accelerated Computing with CUDA C/C++**

This optional half-day course will allow you to learn how to accelerate and optimise existing C/C++ CPU-only applications to leverage the power of GPUs using innovative and modern CUDA techniques. It is also an excellent way to start working with highly optimised professional tools like Nsight integrated development environment with a graphical profiler. To start your journey with the massively parallel world, you are going to need a basic C/C++ competency, including familiarity with variable types, loops, functions, arrays, etc.

This course, kindly organized by AGH University of Science and Technology (the hosting university), is offered to the participants of CSC 2022 for free (the usual fee is approximately 100 USD per person with a non-profit academic background). The promotion code which unlocks the materials and computation time in NVIDIA cloud will be given to you at the beginning of the course. The materials can be accessed and run in the cloud for approximately six months after the course. **It is possible to get an official Certificate of Competency (CoC)** issued by the NVIDIA after completing the exam session (at the end of the course day, or at any convenient time up to six months after the CSC 2022).

### **Summary**

**Presenter:** SZUMLAK, Tomasz (AGH University of Science and Technology (PL))