

Fundamentals of Accelerated Computing with OpenACC

February 6, 2020

VSB - Technical University of Ostrava

IT4Innovations

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You learn the basics of OpenACC, a high-level programming language for programming on GPUs. Discover how to accelerate the performance of your applications beyond the limits of CPU-only programming with simple pragmas.

You will learn:

- How to profile and optimize your CPU-only applications to identify hot spots for acceleration
- How to use OpenACC directives to GPU accelerate your codebase
- How to optimize data movement between the CPU and GPU accelerator
- The lectures are interleaved with many hands-on sessions using Jupyter Notebooks.

The exercises will be done on a fully configured GPU-accelerated workstation in the cloud.

This training is a part of **NVIDIA AI & HPC ACADEMY 2020**.

AGENDA

09:00-11:00 | Introduction and Profiling

11:00-11:15 | Coffee Break

11:15-13:00 | OpenACC Directives

13:00-14:00 | Lunch

14:00-15:30 | GPU Programming

15:30-15:45 | Coffee Break

15:45-16:45 | Data Management and Loop Optimizations

16:45-17:00 | Q&A, Final Remarks



More information & registration:

events.it4i.cz/event/41/



This event was partially supported by The Ministry of Education, Youth and Sports from the Large Infrastructures for Research, Experimental Development and Innovations project "e-Infrastruktura CZ – LM2018140" and partially by the PRACE-6IP project - the European Union's Horizon 2020 research and innovation programme under grant agreement No. 823767.