



Fundamentals of Deep Learning for Multi-GPUs (PRACE Training Course)

December 11, 2020

**VSB - Technical University of Ostrava
ONLINE**

Lecturers: Georg Zitzlsberger | IT4Innovations

The computational requirements of deep neural networks used to enable AI applications like self-driving cars are enormous. A single training cycle can take weeks on a single GPU or even years for larger datasets like those used in self-driving car research. Using multiple GPUs for deep learning can significantly shorten the time required to train lots of data, making solving complex problems with deep learning feasible. We will teach you how to use multiple GPUs to train neural networks.

AGENDA

- 09:45 – 10:00 Presentation
- 10:00 – 10:15 Welcome and introduction
- 10:15 – 12:00 Stochastic Gradient Descent
- 12:00 – 13:00 Lunch Break
- 13:00 – 14:20 Introduction to Distributed Training
- 14:20 – 14:30 Coffee break and Group Picture
- 14:30 – 15:45 Algorithmic Challenges of Distributed SGD
- 15:45 - 16:00 Q&A

More informations & registration:

events.it4i.cz/event/110

