

## Seminar

# GPU performance for deep learning

### Description:

It is known that Deep Learning requires high computation source, GPU (Graphics Processing Unit) is a processor, which can process multiple computations simultaneously. The scientific question is how GPU benefit deep learning? And how to train Deep learning with GPU and TensorFlow. The task is to run CNN and LSTM models with GPU and CPU separately and compare the training speed.

### Requirements/ Qualification:

- Basic knowledge regarding machine learning, deep learning, and data mining
- Python, TensorFlow, Scikit-learn

### **Supervisor / Contact:**

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