## NPFL102 – Data Intensive Computing

- learn how to easily process terabytes of data using hundreds or thousands of computer cores
- start using **SGE** (originally Sun Grid Engine, now Oracle Grid Engine or Son of Grid Engine)
- get to know **MapReduce** programming model and Apache **Spark** framework second generation framework for distributed execution of MapReduce and more complex paradigms with Python, Scala, Java and R APIs
- develop and debug simple and complex algorithms on our educational Spark cluster
- run machine learning algorithms in distributed fashion using Spark and MLlib
- advanced topics according to interest
  distributed graph processing, OpenMPI, ...

http://ufal.mff.cuni.cz/course/npfl102

## Monday 15:40 in SU1 First lesson February 29<sup>th</sup>

