

# ID1217 Concurrent Programming

## Welcome!

Vladimir Vlassov, PhD, Professor in Computer Systems

Edward Tjörnhammar, PhD student

Tianze Wang, PhD student

KTH Royal Institute of Technology

Stockholm, Sweden

# Course Material

- In Canvas:  
<https://kth.instructure.com/courses/17204>

# Software

- **gcc compiler** (4.4 or newer), which includes the Pthreads library and implements the OpenMP 3.0 API
- **Java SDK SE**
- **MPICH**
- Development environments, e.g. **Eclipse, NetBeans, MS Visual Studio, IntelliJ**
- Under **MS Windows**
  - **Putty** ssh client
  - **Cygwin** with gcc package(s) or **Pthreads for Windows** (pthread-win32)
- See "[\*Computing and Programming Environments. Related Links\*](#)" on the course website



ROYAL INSTITUTE  
OF TECHNOLOGY

# KTH Servers

- HPE ProLiant servers (running Linux) each with 2 x AMD Opteron 6172 (12 cores)
  - [atlantis.sys.ict.kth.se](http://atlantis.sys.ict.kth.se)
  - [avril.sys.ict.kth.se](http://avril.sys.ict.kth.se)
  - [colombiana.sys.ict.kth.se](http://colombiana.sys.ict.kth.se)
  - [malavita.sys.ict.kth.se](http://malavita.sys.ict.kth.se)
  - [subway.sys.ict.kth.se](http://subway.sys.ict.kth.se)
  - [u-shell.csc.kth.se](http://u-shell.csc.kth.se)