JURECA Porting and Tuning Workshop

6–8 June 2016

JSC

The talks and hands-on sessions of the workshop will take place in one of the computer labs (building 16.3, room 213a).

Monday, 06. June

08:45 – 09:00  (15’) Registration
09:00 – 09:20  (20’) Paul Gibbon, JSC
   Welcome and introduction
09:20 – 09:50  (30’) Theodoros Stylianos Kondylis, JSC
   JURECA hardware and best practices
09:50 – 10:20 (30’) Markus Geimer, JSC
   Debuggers and performance tools
10:20 – 10:50 (30’) Coffee break
10:50 – 11:10 (20’) Ilya Zhukov, JSC
   Performance tools use case
11:10 – 11:50 (40’) Heinrich Bockhorst, Intel
   Performance Tuning with Intel software tools:
   Advisor, VTune, ITAC
12:00 – 13:00 (60’) Lunch break
13:00 – 17:00 (240’) Hands-on session
15:00
17:00 – 17:30 (30’) Feedback and first experiences
17:35 – 17:53  Bus SB20, 'FZJ Seecasino' – Jülich 'Neues Rathaus'
17:40 – 17:53  Bus 220, 'FZJ Seecasino' – Jülich 'Neues Rathaus'
Tuesday, 07. June

08:13 – 08:33 Bus SB20, Jülich 'Neues Rathaus' – 'FZJ Seecasino'
09:00 – 09:20 (20’) Kay Thust, JSC
   The Jülich Benchmarking Environment
09:20 – 09:40 (20’) Jens Henrik Göbert, JSC
   Visualisation on JURECA
09:40 – 10:00 (20’) Wolfgang Frings, JSC
   Parallel I/O
10:00 – 10:20 (20’) Ivo Kabadshow, JSC
   Vectorization – Why you shouldn’t care
10:20 – 10:50 (30’) Coffee break
10:50 – 11:10 (20’) Morris Riedel, JSC
   Scientific Big Data Analytics by HPC
11:10 – 11:30 (20’) Jiri Kraus, NVIDIA
   GPU Programming with OpenACC: A LBM Case Study
12:00 – 13:00 (60’) Lunch break
13:00 – 17:00 (240’) Hands-on session
   15:00 Coffee break and group photo
17:00 – 17:30 (30’) Feedback session
17:35 – 17:53 Bus SB20, 'FZJ Seecasino' – Jülich 'Neues Rathaus'
17:40 – 17:53 Bus 220, 'FZJ Seecasino' – Jülich 'Neues Rathaus'

Wednesday, 08. June

08:13 – 08:33 Bus SB20, Jülich 'Neues Rathaus' – 'FZJ Seecasino'
09:00 – 12:00 (180’) Hands-on session
10:30 – 11:00 (30’) Coffee break
12:00 – 13:00 (60’) Lunch break
13:00 – 14:15 (75’) Hands-on session
14:15 – 15:00 (45’) Feedback and discussion
15:00 Coffee break
15:00 – 17:00 (120’) Hands-on session