

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 <i>Welcome and introduction</i>
09:20 – 09:50	(30')	Theodoros Stylianos Kondylis, JSC <i>JURECA hardware and best practices</i>
09:50 – 10:20	(30')	Markus Geimer, JSC <i>Debuggers and performance tools</i>
10:20 – 10:50	(30')	Coffee break
10:50 – 11:10	(20')	Ilya Zhukov, JSC <i>Performance tools use case</i>
11:10 – 11:50	(40')	Heinrich Bockhorst, Intel <i>Performance Tuning with Intel software tools: Advisor, VTune, ITAC</i>
12:00 – 13:00	(60')	Lunch break
13:00 – 17:00	(240')	Hands-on session
15:00		Coffee break
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 <i>The Jülich Benchmarking Environment</i>
09:20 – 09:40	(20')	Jens Henrik Göbbert, JSC <i>Visualisation on JURECA</i>
09:40 – 10:00	(20')	Wolfgang Frings, JSC <i>Parallel I/O</i>
10:00 – 10:20	(20')	Ivo Kabadshow, JSC <i>Vectorization – Why you shouldn't care</i>
10:20 – 10:50	(30')	Coffee break
10:50 – 11:10	(20')	Morris Riedel, JSC <i>Scientific Big Data Analytics by HPC</i>
11:10 – 11:30	(20')	Jiri Kraus, NVIDIA <i>GPU Programming with OpenACC: A LBM Case Study</i>
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