



JUQUEEN Porting and Tuning Workshop

04. - 06. February 2013

JSC

All talks will be in the Lecture Room (16.3 006). The hands-on sessions will take place in the Computer Labs (16.3 021, 16.3 004 and 16.4 204) where the participants will be assigned to.

Monday, 04. February

08:00		Shuttle bus from hotels in Jülich to JSC
08:45 – 09:00	(15')	Registration
09:00 – 09:15	(15')	Norbert Attig, JSC <i>Welcome and introduction</i>
09:15 – 09:45	(30')	Michael Stephan, JSC <i>BG/Q Hardware</i>
09:45 – 10:30	(45')	Florian Janetzko, JSC <i>Best practices</i>
10:30 – 11:00	(30')	Coffee break
11:00 – 12:00	(60')	Markus Geimer, JSC <i>Performance tools and debuggers</i>
12:00 – 12:30	(30')	Paul Gibbon, JSC <i>Support structure at JSC</i>
12:30 – 13:45	(75')	Lunch break
13:45 – 17:00	(195')	Hands-on session
13:45 – 14:15	(30')	Carsten Urbach, University of Bonn <i>Experiences with tmLQCD on BG/Q</i>
15:00		Coffee break and group photo
17:30 – 19:30	(120')	Social event (dinner) in the Rotunda
19:30		Shuttle bus from JSC to hotels in Jülich

The talks on days two and three are optional instead of the hands-on session.

Tuesday, 05. February

08:30		Shuttle bus from hotels in Jülich to JSC
09:00 – 12:30	(90' -210')	Hands-on session
09:00 – 09:30	(30')	Thorsten Hater, JSC <i>Multithreading with OpenMP</i>
09:30 – 10:15	(45')	Thilo Maurer, IBM <i>Memory hierachy, transactional memory, speculative execution</i>
10:15 – 10:45	(30')	Wolfgang Frings, JSC <i>Parallel I/O</i>
10:45 – 11:00	(15')	Coffee break
11:00 – 11:30	(30')	Stefan Krieg, JSC <i>Vectorisation using QPX instrinsics</i>
12:30 – 13:45	(75')	Lunch break
13:45 – 17:00	(195')	Hands-on session
15:00		Coffee break
17:00		Shuttle bus from JSC to hotels in Jülich

Wednesday, 06. February

08:30		Shuttle bus from hotels in Jülich to JSC
09:00 – 12:30	(90' -210')	Hands-on session
09:00 – 09:45	(45')	Thilo Maurer, IBM <i>Memory prefetching, L2 atomics</i>
09:45 – 10:15	(30')	Stefan Krieg, JSC <i>Low-level networking API (SPI)</i>
10:15 – 10:45	(30')	Brian Wylie, JSC <i>Future workshops and discussion</i>
10:45 – 11:00	(15')	Coffee break
12:30 – 13:45	(75')	Lunch break
13:45 – 17:00	(195')	Hands-on session
15:00		Coffee break
17:00		Shuttle bus to train station or hotels in Jülich

Ground Floor 16.3



First Floor 16.4

