



P'CON

SETTING THE PACE FOR exa SCALE

PaCER Conference – P'Con22

Dates: 5-7 October 2022

Venue: Pawsey Supercomputing Research Centre, 1 Bryce Avenue, Kensington 6151 WA

LOC: Ann Backhaus, Stacy Tyson, Karina Nunez, Aditi Subramanya, Maciej Cytowski

COVID Safe Plan: <https://www.csiro.au/en/about/locations/COVID-Safe-Plan>

P'Con22 is an in-person event with hybrid components available to online participants.



Wednesday, 5th October 2022	
8:00 – 9:00	Arrival and breakfast at Pawsey
9:00 – 9:30	Welcome (hybrid)
9:30 – 11:00	Lightning talks on challenges and significant achievements (hybrid) <ul style="list-style-type: none"> • Profiling • GPU porting (HIP, OpenMP, OpenACC, Kokkos) • Libraries and tools • Performance • Data handling
11:00 – 11:30	Morning Tea
11:30 – 12:30	Freestyle: gather in squads for moderated discussions on main challenges (hybrid) <ul style="list-style-type: none"> • The Pragmatics – let’s talk about OpenMP and OpenACC • The HIPsters – let’s talk about HIP and other tools like Kokkos • The CoolKids – let’s talk about low level GPU programming • The Profilers – let’s talk about profiling • The Handlers – let’s talk about data handling and processing <p>(each participant is assigned to a group, but can contribute to other groups after first 30min)</p>
12:30 – 1:15	Lunch at Pawsey
1:15 – 4:30	Parallel sessions <ul style="list-style-type: none"> • HPC AI AC Conference online talks – streamed on Big Screen in Vis Lab • Hacking and networking in the Exhibition Space with flip charts, markers and hands-on programming
4:30 – 5:30	The Squads meet again – prepare 10 min presentations (hybrid)
5:30 – 6:00	Transport to the Dinner
6:00 –	Dinner Windsor Hotel, 112 Mill Point Road, South Perth WA

Thursday, 6th October 2022

8:00 – 8:50	Arrival and breakfast at Pawsey
8:50 – 9:00	Day 2 Opening remarks
9:00 – 10:00	The Squads have their voice (10 min presentations) (hybrid) <ul style="list-style-type: none">• The Pragmatics• The HIPsters• The CoolKids• The Profilers• The Handlers
10:00 – 10:30	Update from Pawsey (hybrid) <ul style="list-style-type: none">• Capital Refresh Update• Supercomputing Services Update• Training & Education Update
10:30 – 11:00	Morning Tea
11:00 – 11:30	Update from Pawsey continued (hybrid) <ul style="list-style-type: none">• Visualisation Services Update• Data Services Update Update from UQ on Bunya (hybrid)
11:30 – 12:30	Tour of Pawsey facilities (hybrid)
12:30 – 1:15	Lunch at Pawsey
1:15 – 2:15	Update from LUMI (hybrid) Emmanuel Ory, Head of the LUMI User Support Team
2:15 – 4:30	Pawsey Bazaar (in person) Meet and talk to Pawsey People
4:30 – 5:30	HPE Cray EX Programming Environment – what’s new, what’s next (hybrid) Chris Marsh, HPE Cray Technical Instructor (to be confirmed)
5:30 –	Sundowner at Pawsey

Friday, 7th October 2022

8:00 – 8:50	Arrival and breakfast at Pawsey
8:50 – 9:00	Day 3 Opening remarks
9:00 – 10:00	Lessons Learned from Crusher Hackathons (hybrid) Tom Papatheodore, HPC Engineer, OLCF at Oak Ridge National Laboratory (ORNL)
10:00 – 10:30	Morning Tea
10:30 – 11:30	Lessons Learned from PaCER Mentored Sprints (hybrid) Joe Schoonover, Fluid Numerics
11:30 – 12:30	Birds of a Feather (BoF): PaCER Next Steps (hybrid)
12:30 – 1:15	Lunch at Pawsey
1:15 – 2:00	Wrap Up (hybrid)
2:00 – 5:00	The After Party (in person) Continue discussions or hacking