

# Pawsey Supercomputing Research Centre

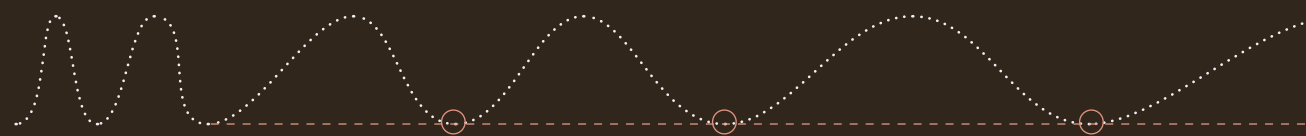
Invites you to Australia for:  
EuroMPI + IWOMP 2024



DNA-11-2022



HPE-11-2022



**pawsey**



# Let's step back a bit and tell you **WHO WE ARE**



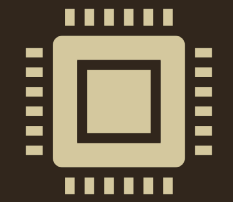
WESTERN AUSTRALIA



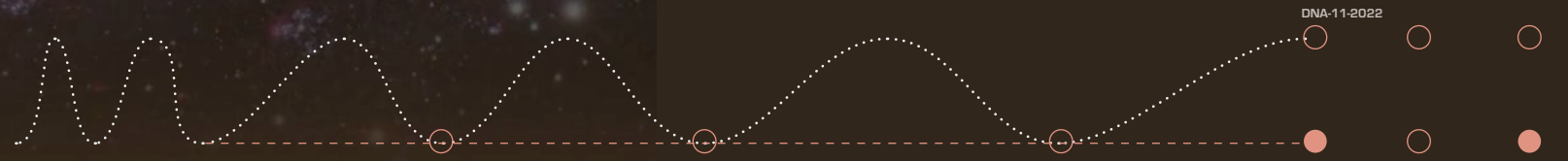
SAME TIMEZONE AS 1/3 OF THE WORLD



WE ARE ON THE LAND OF THE WHADJUK NOONGAR PEOPLE



MOST POWERFUL RESEARCH SUPERCOMPUTER IN THE SOUTHERN HEMISPHERE





## EuroMPI + IWOMP, 23-27 September 2024

- IWOMP 23-26 September
- EuroMPI 25-27 September
- Jack Dongarra already confirmed as Keynote Speaker
  
- Previous week: OpenMP Language Committee Meeting (16-20 September, 2024)
- Early in the week MPI-Forum



SETOPIX

HPE Cray

HPE Cray

HPE Cray

HPE Cray

HPE Cray

HPE Cray

HPE Cray

HPE Cray

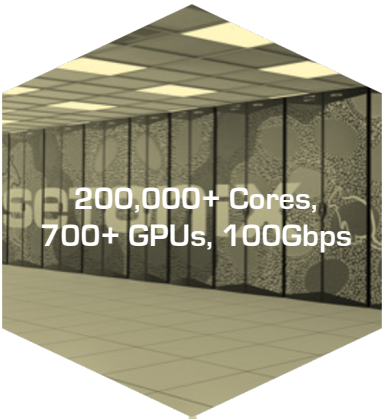
HPE Cray





Nimbus (Cloud)

100 Gbps



Setonix Supercomputer

100 Gbps



Topaz GPU Cluster

10 Gbps



ASKAP Ingest

10 Gbps



Garrawarla

10 Gbps

Advanced architecture

- 
- 
- 
- 
- 

100 Gbps External Firewall



S3 Interface

Fibre Channel

70 PB tape system



100Gbps

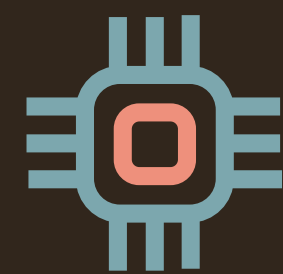
60 PB Ceph Object Store





How will we reach our future potential?

**WE ARE ALREADY  
ON OUR WAY.**



DIAMOND BASED  
QUANTUM  
ACCELERATOR



CUTTING-EDGE  
QUANTUM  
APPLICATIONS



PAWSEY PIONEERS  
PROGRAM



UPSKILLING FOR  
RESEARCHERS

# GETTING TO PERTH, WESTERN AUSTRALIA

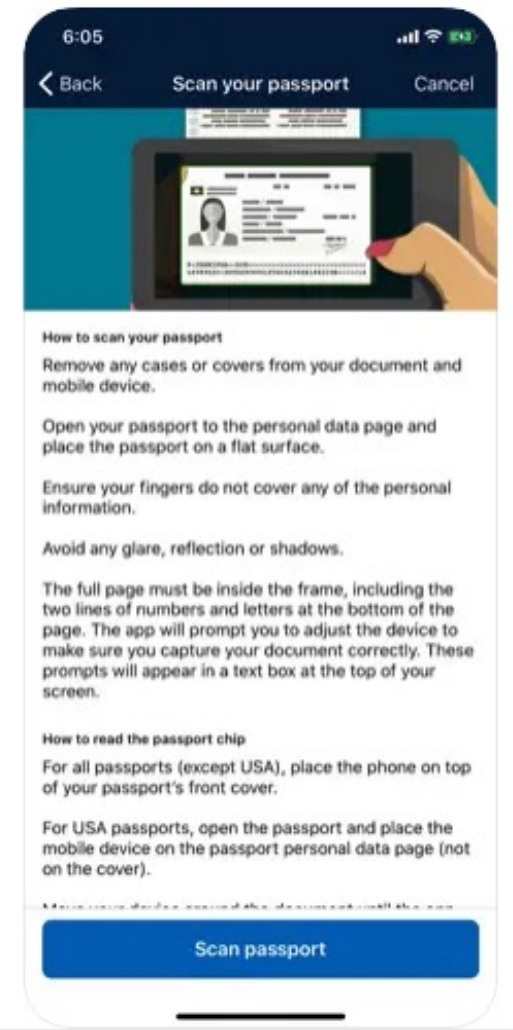






# Visas to visit Australia

- For the latest information on the Visa you may need to enter Australia, visit:
  - [immi.homeaffairs.gov.au/visas/getting-a-visa/visa-listing/electronic-travel-authority-601](https://immi.homeaffairs.gov.au/visas/getting-a-visa/visa-listing/electronic-travel-authority-601)
  - [immi.homeaffairs.gov.au/visas/getting-a-visa/visa-finder/visit](https://immi.homeaffairs.gov.au/visas/getting-a-visa/visa-finder/visit)
  - Pawsey will be happy to provide a letter of support if required
- You must apply for the Visa using the Australian ETA app: [immi.homeaffairs.gov.au/visas/getting-a-visa/visa-listing/electronic-travel-authority-601#HowTo](https://immi.homeaffairs.gov.au/visas/getting-a-visa/visa-listing/electronic-travel-authority-601#HowTo)
  - Apple store: <https://apps.apple.com/au/app/australianeta/id1527982364>
  - Google Play store: [https://play.google.com/store/apps/details?id=au.gov.homeaffairs.eta&hl=en\\_AU&gl=US&pli=1](https://play.google.com/store/apps/details?id=au.gov.homeaffairs.eta&hl=en_AU&gl=US&pli=1)





An aerial photograph of Perth, Australia, during sunset. The city skyline is visible in the background with several skyscrapers, including one with a 'Woodside' logo. In the foreground, there is a large green park area with a winding road and a small pond. The sky is a mix of orange, yellow, and grey. The text 'PERTH IS' is overlaid in large, white, bold, sans-serif capital letters on the left side of the image.

**PERTH IS**



# Points of Interest in Perth

**Rottnest Island** sits just offshore from the city of Perth, in Western Australia. A protected nature reserve, it's home to the quokka, a small wallaby-like marsupial. White-sand beaches and secluded coves include the Basin, with its shallow waters, and Thomson Bay, the main hub and ferry port. Strickland Bay is known for its surf breaks, while reef breaks occur at Radar Reef, off the island's far western tip

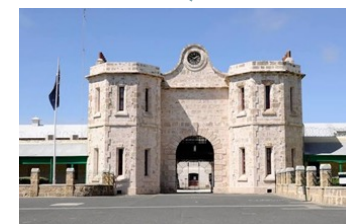
**Kings Park and Botanic Garden** Bigger than Central Park in New York and altogether wilder, Kings Park is a 1,003-acre haven of parkland, botanical gardens and natural bushland, located right on the western edge of Perth's central business district. The park is a mixture of grassed parkland, botanical gardens and natural bushland on Mount Eliza with two-thirds of the grounds conserved as native bushland. Offering panoramic views of the Swan River and Darling Range, it is home to over 324 native plant varieties, 215 known indigenous fungi species and 80 bird species. It is the most popular visitor destination in Western Australia, being visited by over five million people each year.

**Cottesloe Beach** is a popular beach in Cottesloe and one of the most iconic locations of Western Australia. The enduring popularity of the beach is the result of combination of factors including proximity to metropolitan Perth, accessibility by train, shelter from strong summer breezes and presence of offshore reefs making it a relatively safe swimming location. It has been recognised by the Heritage Council as a place of cultural significance since 2005.

**Fremantle Prison** sometimes referred to as Fremantle Gaol or Fremantle Jail, is a former Australian prison and World Heritage Site in Fremantle, Western Australia. The six-hectare site includes the prison cellblocks, gatehouse, perimeter walls, cottages, and tunnels. It was initially used for convicts transported from Britain but was transferred to the colonial government in 1886 for use for locally-sentenced prisoners.

**Elizabeth Quay** is a mixed-use development project in the Perth central business district. Focusing on an area located on the north shore of Perth Water near the landmark Swan Bells, the precinct being developed by the project was named in honour of Queen Elizabeth coastal air make a holiday here the remedy to modern life.

**Swan Valley** is a region in the upper reaches of the Swan River between Guildford and Bells Rapids, Western Australia. It is bordered to the east by the Darling Scarp. Both Ellenbrook and Jane Brook lie within the region and discharge into the Swah River.





# THANK YOU QUESTIONS?

