

# Reconfigurable Computing

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### *Australia and Europe Area size comparison*

Darwin to Perth 4396km • Perth to Adelaide 2707km • Adelaide to Melbourne 726km  
Melbourne to Sydney 887km • Sydney to Brisbane 972km • Brisbane to Cairns 1748km



Population: 22M  
Europe: ~740M (2011)  
Heilongjiang: 38M



Population: 4.6M

(Old part of campus – not our building)



Population: 49,000  
from 130 countries

- › Work focuses on using parallelism to solve computationally demanding problems
  - Develop novel computer architectures and computing techniques.
  - Understand tradeoffs between ASIC, FPGA, GPU and microprocessor technologies
  - Improve designer productivity
  
- › Applications
  - Computational Finance
  - Signal Processing
  - Biomedical Engineering
  - Quantum Computing

