

## High Throughput Computing

Rapid growth in computing and technology, particularly within the last decade, has expanded the horizons of many areas in science. This is especially true for research into the behaviour of the many 'complex systems' that we aspire to understand. Many of these research problems require a huge amount of processing which must be managed across a large number of computers, over a long period of time. High throughput computing is concerned with providing a robust, large-scale computing facility which can execute a very large number of jobs over a period of days, weeks and months.

Monash University provides researchers with a number of facilities for high throughput computing. This includes a range of Monash dedicated clusters and the Monash SPONGE pool. In addition, the Nimrod Toolkit, a widely used tool for high throughput computing, has been developed by researchers within the Faculty of Information Technology at Monash and is available to Monash researchers.