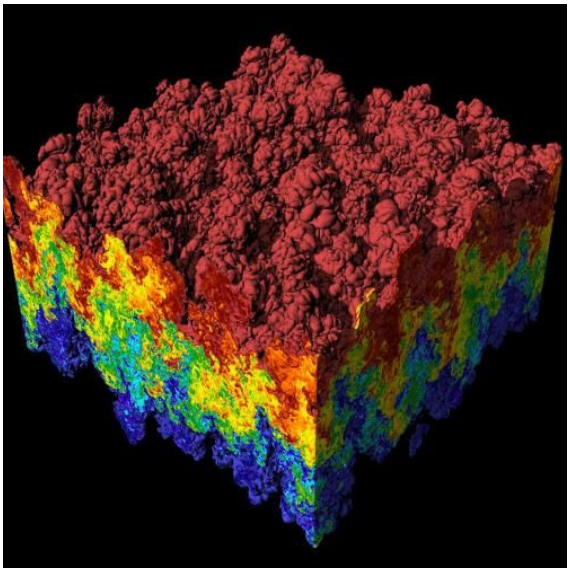
Parallel Programming for HPC

6 hours | Prerequisites (see below) | At your campus | No cost to members



Intersect HPC courses	
Unix for HPC	Introduction to Unix (Intersect)
	Data Transfer from PC to HPC
	Intermediate HPC
Parallel Programming for HPC	

Why do this course?

You have written, compiled and run functioning programs in C and/or Fortran. You know how HPC works and you've submitted batch jobs.

Now you want to move from writing single-threaded programs into the parallel programming paradigm, so you can truly harness the full power of High Performance Computing.

You'll learn how to program with:

- **OpenMP** (Open Multi-Processing): a widespread method for shared memory programming
- **MPI** (Message Passing Interface): a leading distributed memory programming model

Prerequisites

To do this course you need to have:

- a good working knowledge of HPC. Consider taking our **Unix for HPC** course to come up to speed beforehand.
- prior experience of writing programs in either C or Fortran.

The Intersect approach to training

At Intersect, we work closely with our member universities to develop and deliver training that targets the day-to-day software and technology problems that researchers face. We deliver hands-on courses in a relaxed setting with knowledgeable, helpful trainers who are themselves researchers and who know how researchers work.

Questions always welcome.

For more information visit
Learn.intersect.org.au

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