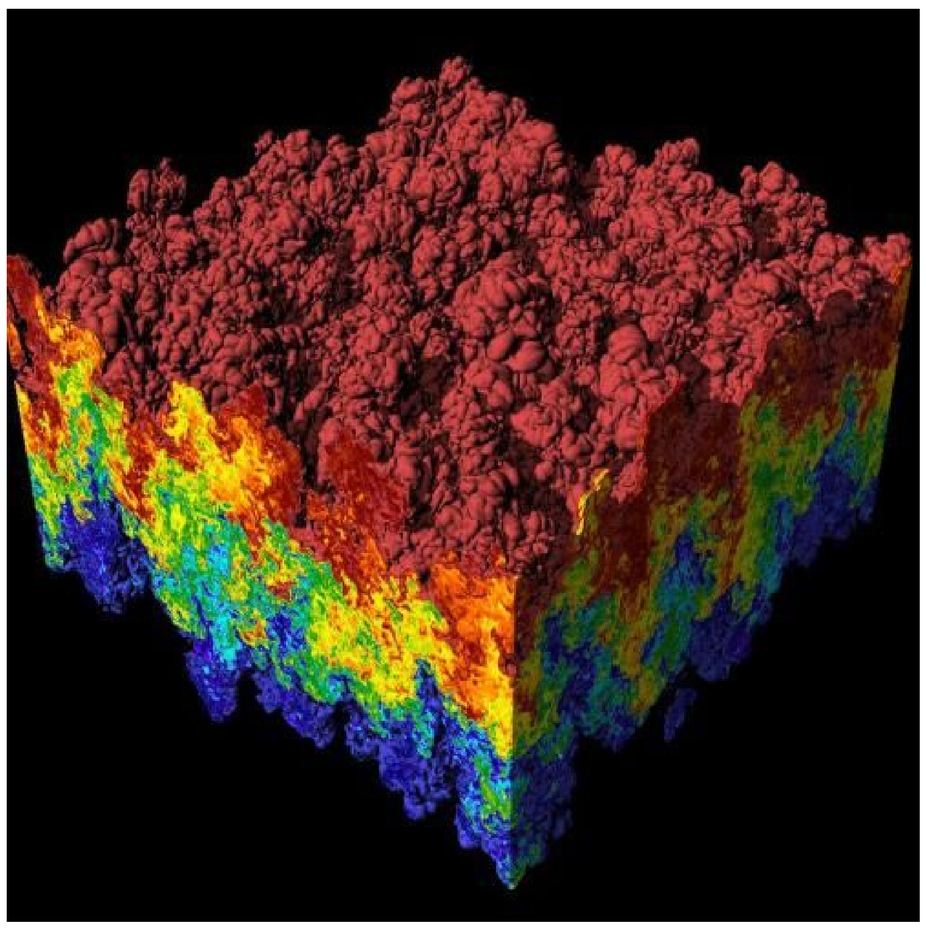
Parallel Programming for HPC

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



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

Intersect HPC courses

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

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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