

INTRODUCTION TO MPI

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CCFE

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Timetable

- 09:30 LECTURE: Message-Passing Concepts.
- 10.00 LECTURE: MPI Programs.
- 10.30 LECTURE: MPI on ARCHER.
- 11.00 BREAK.
- 11.30 PRACTICAL: Hello World.
- 12.00 LECTURE: Point-to-Point Communications.
- 12.30 PRACTICAL: Pi.
- 13.00 BREAK: Lunch.
- 14.00 LECTURE: Communicators, Tags, and Modes
- 14.15 PRACTICAL: Ping-pong.
- 15.00 LECTURE: Collective Communications.
- 15.30 BREAK.
- 16.00 PRACTICAL: Message Round a Ring.
- 17.00 CLOSE.



Learning Outcomes

- The aims of this course are to:
 - Understand distributed memory programming.
 - Write, compile, and run MPI programs.

