

Introduction to OpenMP

Overview



Who am I?



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- Senior research fellow at EPCC
- Lecture on EPCC's MSc in HPC
- EPCC's representative on the OpenMP ARB



Timetable

Wednesday

- 10:00 - 11:00 Lectures: Overview, Concepts
- 11:00 - 11:30 Break
- 11:30 - 12:30 Lecture: Introduction to OpenMP, Parallel regions
- 12:30 - 13:30 Lunch
- 13:30 - 15:00 Practical session
- 15:00 - 15:30 Break
- 15:30 - 16:00 Lecture: Worksharing
- 16:00 - 17:00 Practical session

Timetable

Thursday

- 10:00 - 11:00 Lecture: Synchronisation
- 11:00 - 11:30 Break
- 11:30 - 12:00: Lecture: Further Topics
- 12:00 - 12:30 Practical session
- 12:30 - 13:30 Lunch
- 13:30 - 15:30 Lectures: Tips, Tricks and Gotchas, Performance
- 15:30 - 16:00 Break
- 16:00 - 17:00 Practical session

Practical exercises source code



To download the source code for the practical exercises, make sure you are in your **work** directory on ARCHER2, then use the following command :

```
cp /home/z19/shared/OpenMPIntro.tar .  
tar xvf OpenMPIntro.tar
```



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I hope you enjoy the course



- ... and *please ask questions!*

