

CMT106: High Performance Computing

DAY 6

Room S/1.29

- 9:30 – 10:30am:
Lecture covering dynamic communication and the molecular dynamics example (MPI).
- 10:30 – 10:50am:
Break
- 10:50am – 12:00pm:
Lecture on molecular dynamics simulation with OpenMP and CUDA.
- 12:00 – 1:30pm:
Lunch break.
- 1:30 – 2:00pm:
Lecture, introduction to the WaTor code.
- 2:00 – 3:00pm:
Lab session, try out the WaTor example code yourself and consider how to parallelize it (includes 15min break).
- 3:00 – 3:15pm:
Review of the lab session
- 3:15pm – 4:00pm:
Lecture, parallel implementation of the Wator code and other cellular automata.
- 4:00pm – 5:00pm:
Self study, do your coursework