LUND
UNIVERSITY

HPC2N, UmU

An introduction to shared memory parallel programming using OpenMP

Schedule

12 September 2023

Time	Event
9:00	Introduction to shared memory parallel computing - JH
9:30	Compiling and Running code on COSMOS - JH
10:00	Exercise: Running code
10:30	*Coffee*
10:45	First steps in OpenMP - PO
11:15	Exercise: Hello World
12:00	*Lunch*
13:00	Data for parallel regions - JH
14:00	Exercise: Calculating Pi
15:00	*Close*

13 September 2023

Time	Event
9:00	Workshare and Scheduling - PO
9:45	Exercise: Summation over triangular area
10:30	*Coffee*
10:45	More on private data - PO
11:30	Exercise: Reduction
12:00	*Lunch*
13:00	More on worksharing - PO
14:00	Exercise: Nowait and orphaning
15:00	*Close*

14 September 2023

Time	Event
9:00	The Task directive - JH
10:30	*Coffee*
10:45	Exercises: Task
12:00	Lunch
13:00	Performance aspects and thread binding - JH
14:00	Exercise: First touch
14:45	Wrap-up and summary
15:00	Close