



HPC2N, UmU

An introduction to shared memory parallel programming using OpenMP

Schedule

28 February 2022

Time	Event
9:00	Introduction to shared memory parallel computing
9:45	Coffee
10:00	Compiling and Running code on Kebnekaise
10:30	Exercise: Running code
11:00	Coffee
11:15	First steps in OpenMP
11:45	Exercise: Hello World
12:30	Close

1 March 2022

Time	Event
9:00	Data for parallel regions
9:45	Coffee
10:00	Exercise: Calculating Pi
10:45	Workshare and Scheduling
11:30	Coffee
11:45	Exercise: Summation over triangular area
12:30	Close

2 March 2022

Time	Event
9:00	More on private data
9:45	<i>Coffee</i>
10:00	Exercise: Reduction
10:45	The Task directive
11:30	<i>Coffee</i>
11:45	Exercise: Tasks
12:30	Close

3 March 2022

Time	Event
9:00	More on worksharing
9:45	<i>Coffee</i>
10:00	Exercise: Nowait and orphaning
10:30	Performance aspects and thread binding
11:15	<i>Coffee</i>
11:30	Exercise: First touch
12:15	Recap
12:30	Close