

2nd Latin American School on Parallel Programming for High Performance Computing					
WEEK 1					
	Monday, Dec. 2	Tuesday, Dec. 3	Wednesday, Dec. 4	Thursday, Dec. 5	Friday, Dec. 6
08:30 - 09:30	<b>REGISTRATION</b>				
09:30 - 10:45	Introduction to HPC (AK)	From Source Code to Executable (AK)	Basic Principles of Parallelism (GP)	Practical MPI I (GP)	Overview of Common Strategies for Parallelization (IG)
10:45 - 11:15	Coffee Break				
11:15 - 12:30	Foundation of Modern Computer Architecture (SS)	Code Optimization I (IG)	Introduction to OpenMP (SS)	Practical MPI II (GP)	Code Optimization II (AK)
12:30 - 13:30	Lunch Break				
13:30 - 15:15	Hands-on: use job scripts to run pre-compiled codes (IG)	Hands-on: compiling and linking (IG)	Lab-session: OpenMP Programming (SS)	Lab-session: Practicing MPI I (GP/IG)	Lab-session: Practicing MPI III (IG)
15:15 - 15:45	Coffee Break				
15:45 - 17:30	Hands-on: use job scripts to run pre-compiled codes (IG)	Floating Point Math (AK)	Lab-session: OpenMP Programming (SS)	Lab-session: Practicing MPI II (GP/IG)	Lab-session: Practicing MPI IV (IG)

WEEK 2					
	Monday, Dec. 9	Tuesday, Dec. 10	Wednesday, Dec. 11	Thursday, Dec. 12	Friday, Dec. 13
09:30 - 10:45	Best Practise: LJMD (AK)	Overview on Parallel Math Libraries (GP)	Best Practises: Management of a Scientific Software (LAMMPS) (AK)	Overiview on GPU Computing (SS)	Projects Presentation
10:45 - 11:15	Coffee Break				
11:15 - 12:30	Best Practises: LBM (IG)	Foundations of I/O on Parallel Applications (IG)	Task Farming & Parallel Processing (IG)	Containers in HPC (AK)	Projects Presentation
12:30 - 13:30	Lunch Break				
12:30 - 13:30	Project Presentation and Discussion (AK, IG, SS, GP)	Working on Projects (AK, IG, SS, GP)	Working on Projects (AK, IG, SS, GP)	Working on Projects (AK, IG, SS, GP)	
15:15 - 15:45	Coffee Break				
15:45 - 17:30	Working on Projects (AK, IG, SS, GP)	Working on Projects (AK, IG, SS, GP)	Working on Projects (AK, IG, SS, GP)	Working on Projects (AK, IG, SS, GP)	