

CINECA Summer School on Parallel Computing

5th-16th July

	Monday-5	Tuesday-6	Wednesday-7	Thursday-8	Friday-9
9.30 10.50	Introduction to HPC -I (AE)	MPI Parallel-1 Programming (LQ,AE)	MPI Parallel Programming (LQ,AE)	Code Optimization-1 (AE,MG)	Code development with git (SB,LC,GA)
	Break				
11.20 13.00	Introduction to HPC - 2 (AE)	Hands On	Hands On	Hands-on	Hands-on
	Lunch (1h.30)				
14.30 16.00	CINECA HPC Programming Environment (AM)	MPI Programming-2 (LQ,AE)	MPI Parallel Programming	Code Optimization-2	Introduction to Quantum Computing (RM)
	Break				
16.30 17.30	Hands-on	Hands-on	Hands-on	Hands-on	Free

	Monday-12	Tuesday-13	Wednesday-14	Thursday-15	Friday-16
9.30 10.50	OpenMP-1 Programming (NS,FP, GA)	Hybrid Programming: MPI+OpenMP (FA, PL)	Programming with CUDA (LF)	Profiling and performance tuning (MC)	HPC +Julia (NS)
	Break				
11.10 13.00	Hands-on Session	Hands-on	Hands-on	Hands-on	HPC + Julia-2
	Lunch (1h 30)				
14.30 16.20	OpenMP-2 Programming (NS,FP)	Hands-on	Hands-on	MPI with Python (FP,MG)	FREE
	Break				
16.40 17.30	Hands-on Session:	Hands-on	Hands-on	Hands-on	FREE

AE=Andrew Emerson , AM=Alessandro Marani, LQ=Lara Querciagrossa, MG=Massimiliano Guarrasi, SB=Simone Bna', LC=Luigi Calori, GianFranco Abrusci(GA), NS=Nitin Shukla, FP=Fabio Pitari, RM=Riccardo Mengoni, FA=Fabio Affinito, Piero Lanucara (PL), LF=Luca Ferraro, Maurizio Cremonese (MC).