28th Summer School on Parallel Computing

Bologna, 13-24 May 2019

	Monday-13	Tuesday	Wednesday	Thursday	Friday
9.30 / 10.50	Introduction to HPC -I (AE)	MPI Parallel-1 Programming (NS,MC)	MPI Parallel Programming (MC+NS)	Code Optimization-1 (AE,MG)	Code development with git (SB,LC)
	Break		Visits to Cineca Machine Room		Break
11.10 / 13.00	Introduction to HPC - 2 (AE)	CINECA HPC Programming Environment (AM)	MPI (MC+NS)	Hands-on	Hands-on
	Lunch				
14.30 / 16.20	Software Engineering for HPC (CINI)	MPI Programming-2 (MC+AM)	MPI Parallel Programming	Code Optimization-2	Debugging strategy and tools (FF,AE)
	Break				
16.40 / 17.30	Software Engineering for HPC (CINI)	Hands-on	Hands-on	Hands-on	Hands-on

	Monday	Tuesday	Wednesday	Thursday	Friday
9.30 / 10.50	OpenMP-1 Programming (FA,AC)	Hybrid Programming: MPI+OpenMP (AM, AC)	Profiling and performance tuning (AE)	GPU programming (AE,DO)	Introduction to scientific libraries (MG,SB)
	Break				
11.10 / 13.00	Hands-on Session	Hands-on	Hands-on	Hands-on	Hands-on
	Lunch				
14.30 / 16.20	OpenMP-2 Programming (FA,AC)	Hands-on	MPI with Python (FP,MG)	GPU programming- 2	Introduction to Quantum Computing (DO)
	Break				
16.40 / 17.30	Hands-on Session:	Hands-on	Hands-on	Hands-on	FREE

MG=Massimiliano Guarrasi, FA=Fabio Affinito, AE=Andrew Emerson, AM=Alessandro Marani, MC=Mirko Cestari, FF = Federico Ficarelli, NS=Nicola Spallanzani, SB=Simone Bna', AC=Alessandro Colombo, DO=Daniele Ottovani, FP=Fabio Pitari, LC=Luigi Calori, CINI= Consorzio CINI (Consorzio interuniversitario Nazionale per l'Informatica)