

AGENDA

Scuola avanzata 2017

	Monday	Tuesday	Wednesday	Thursday	Friday
9.10 - 10.50	Introduction to massively parallel architectures and hybrid programming, roadmap to exascale (Erbacci/Cavazzoni)	MPI non-blocking collectives (Affinito)	Intranode optimization (Pascolo/Cestari)	Python for HPC (Spallanzani)	Domain specific libraries for Deep Learning (Zanella)
	Coffee Break				
11.10 - 13.00	Overview of the KNL architecture (Emerson)	MPI RMA and MPI + X (Affinito)	Intranode optimization (Pascolo/Cestari)	Python for HPC (Spallanzani)	Domain specific libraries for PDEs (Bnà)
	Lunch				
14.30 - 16.10	Cineca HPC systems Introduction + Hands-on (Marani/Pascolo)	SE for HPC (continuous integration, versioning, etc) (CINI)	Intranode optimization (Pascolo/Cestari)	hands-on Python for HPC (Spallanzani)	Paraview and in-situ visualization (Calori)
	Coffee Break				
16.30 - 18.20	Cineca HPC systems Introduction + Hands-on (Marani/Pascolo)	MPI hands-on (Emerson/Guarrasi)	Exascale experience(s) (Emerson)	hands-on Python for HPC (Spallanzani)	Free