Course "HPC enabling of OpenFOAM for CFD applications"
CINECA, Bologna 26-28 March 2014

AGENDA

Time	Wed 26th March	Thur 27th March	Fri 28th March
9:00-9:45	*Registration*		
9:45-10:00	*Course Presentation (I. Spisso)*		
10:00-10:15		*Post-processing with Paraview I (ParaView GUI and Filters) R. Ponzini*	*Industrial use-cases presentations*
10:00-10:45	*Overview of CINECA's HPC facilities, services and access C. Cavazzoni/P.Alberigo*	*Post-processing with Paraview II (ParaView scripting with hands-on) R. Ponzini*	*Centrifugal pumps with OF D. Bucci Lapcos*
10:45-11:00	*coffee break*	*coffee break*	*coffee break*
11:00-12:00	*Overview of OF: models and tools, and (CINECA's on-going project with OF) I. Spisso*	*Post-processing with Paraview III (ParaView for large data visualization) R. Ponzini*	*mesh Morphing in OF (invited MEB)*
12:00 - 13:00	*Cluster configuration and installation: local, global and git I. Spisso*	*Two-phase + free surface: cad import, meshing, modelling,computing,post-processing A. Penza Part I*	*How to get access to HPC facilities A. Chiarini*
12:45-14:00	*Lunch*	*Lunch*	*Lunch*
14:00-14:45	*Remote Visualization @ CINECA: RCM R. Mucci*	*Two-phase + free surface in marine hydrodynamics: modelling, performances, limits A. Penza Part II*	
14:45-15:30	*How to submit a job to the cluster: job script and web-computing interface*	*OF on HPC: Dakota (I. Spisso)*	
16:15-17:00	*Tutorial: set-up your job, job submission, visualization, meshing snappy, data analysis and data transfer (motorbike - 2d lid driven cavity flow) I. Spisso/G. Amati*	*Open discussion use-cases*	\

legenda

lecture
tutorial

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