

# UL HPC School 2020 (Dec 15-16, 2020) - Program

Tuesday, December 15, 2020		
Day 1	Main Track	
	Description	Speaker
08:30 - 09:00	Remote setup and registration	
09:00 - 10:30	Keynote Welcome Overview and Challenges of the UL HPC Facility at the EuroHPC Horizon	S. Varrette
10:30 - 11:00	BREAK	
11h00 - 12:30	PS1 Preliminaries (SSH - OpenOnDemand)	T. Valette, A. Olloh
12:30 - 14:00	LUNCH	
14:00 - 16:00	PS2 Getting Started 2.0 SLURM, performance engineering and basic launchers	H. Cartiaux
16:00 - 16:30	BREAK	
16:30 - 18:00	PS3 HPC Management of Sequential and Embarrassingly parallel jobs	S. Varrette

Wednesday, December 16, 2020				
Day 2	Main Track		Parallel Session	
	Description	Speaker	Description	Speaker
09:00 - 11:00	PS4 Big Data Analytics	S. Varrette	09:00 - 11:00	PS5 Scalable Science with OpenMP/MPI E. Krishnasamy
11:00 - 11h30	BREAK			
11:30 - 12:30	Keynote Data management (backup, security, ...)	S. Peter		
12:30 - 14:00	LUNCH		12:30 - 14:00	LUNCH
14:00 - 15:00	PS6 HPC Containers with Singularity	E. Kieffer	14:00 - 15:00	PS7a Introduction to GPU programming with CUDA (Part I) F. Pinel
SHORT BREAK				
15:15 - 16:15	PS8 Advanced distributed computing with Python	E. Kieffer	15:15 - 16:15	PS7b Introduction to GPU programming with CUDA (Part II) L. Koutsantonis
SHORT BREAK				
16:30 - 18:00	PS10 R - statistical computing	A. Ginolhac	16:30 - 18:00	PS9 Multi-GPU Training of Neural Networks C. Hundt (Nvidia)
SHORT BREAK				
18:15 - 18:30	Closing Remarks / Take Away messages	S. Varrette		