

Tuesday, June 6, 2023			MSA 4.500
Session Objectives			Speaker(s)
10:00 - 10:30	keynote	Welcome <i>ULHPC and future development</i>	P. Bouvry
10:45 - 12:15	AWS - Uni.lu feedback session	Introduction by AWS (D. Reischl) -- 15 min	
		Assessing the performance of the FEniCS Project on Graviton3 (M. Habera) -- 25 min	
		Benchmarking Structural Inference Methods for Dynamical Systems (A. Wang) -- 25 min	
		Semantic Pruning of Convolutional Neural Networks (N. Gozalpour) -- 25 min	
LUNCH			
14:00 - 15:30	PS1	HPC Software Building <i>Optimizing and complementing the ULHPC software set</i>	E. Kieffer
15:45 - 17:15	PS2	Reproducibility and HPC Containers <i>Singularity</i>	J. Schleich

Wednesday, June 7, 2023			MSA 4.500
Session Objectives			Speaker(s)
09:00 - 10:30	PS3	Many Tasks — Many Node Allocations using Slurm and GNU Parallel	E. Kieffer
BREAK (15 min)			
10:45 - 12:15	PS4	Julia for high-performance scientific computing	L. Heirendt
LUNCH			
14:00 - 15:30	PS5	Introduction to GPU programming with CUDA	P. Talbot
15:45 - 17:15	PS6	Introduction to GPU programming with OpenACC	E. Krishnasamy

Thursday, June 8, 2023			MSA 4.500
Session Objectives			Speaker(s)
09:00 - 10:30	PS7	Data management	S. Peter
BREAK (15 min)			
10:45 - 12:15	PS8	Big Data on HPC: Deployment and Performance	O. Marcu
LUNCH			
14:00 - 15:30	PS9	"Targets", a workflow manager for R	A. Ginolhac
15:45 - 17:15	PS10	Distributed Deep Learning with PyTorch and Horovod	P. Pochelu