SC-Camp 2023 Program

Day	Sunday 14/05/2023	Monday 15/05/2023	Tuesday 16/05/2023	Wednesday 17/05/2023	Thursday 18/05/2023	Friday 19/05/2023	Saturday 20/05/2023
Topic	Introduction to HPC Ecosystems	Parallel Programming Models	HPC Platforms and Environments	Parallel Programming Patterns	Advanced Patterns in Scientific Computing	Towards Advanced Scientific Computing	SC-Camp Conclusion
9:00 - 10:00		Adv. Computing Architectures: HPC + AI + QC	Soft-error Sensitivity of Distributed Deep Learning	Debugging and Profiling for HPC	HPC Ecosystems	Reaction Rate Param. in Heterogeneous Particulate Sys.	Collaborative Project Results
10:00 - 10:30		Coffee Break					Closing of SC-Camp & Presentation of SC-Camp 2024
10:30 - 12:30		Introduction to OpenMP and MPI	Sponsors	Introduction to GPU Computing	Quantum Computing Simulation	HPC for the Simulation of Particles	
			HPC Platforms Interaction			Installing Scientific Applications with EasyBuild	
12:30 - 14:00		Lunch Break					
14:00 - 15:00		Parallel Programming Hands-on	HPC Platforms Interaction Hands-on	GPU Computing and Deep Learning Hands-on	Collaborative Project Introduction	Cultural Activity	
15:00 - 16:00	Welcome				Collaborative Project Development		
16:00 - 17:00	Introduction to HPC						
17:00 - 18:00		Day 1 Q&A	Day 2 Q&A	Day 3 Q&A			

Legend: **Keynotes** (orange) **Lectures** (blue) **Practical Sessions** (green) **Others** (yellow)