CHPC 2024 Student Cluster Competition Timetable

Monday (8th July)			Tuesday (9th July)		Wednesday (10th July)	
	Welcome, Intro & Getting Started		HPC Hardware, HPC Networking & Sys Admin	Ве	enchmarking, Compilation and Parallel Computing	
7:00	Breakfast	7:00	Breakfast	7:00	Breakfast	
8:30	Welcome and Introduction	8:30	HPC Hardware	8:30	HPC Benchmarking	
9:30	Getting Started	9:30	HPC Networking	9:30	Code Compilation	
10:30	Tea Break	10:30	Tea Break	10:30	Tea Break	
11:00	Introduction to Linux & Services	11:00	System Administration & Configuration Management	11:00	Parallel & Quantum Computing	
12:00	Introduction to Tools for the Modern IT Engineer	12:00	Standing up a Compute Node	12:00	Applications: LAMMPS & Qiskit	
13:00	Lunch	13:00	Lunch	13:00	Lunch	
14:00	Tutorials	14:00	Tutorials	14:00	Tutorials	
15:30	Tea Break (Staff Session)	15:30	Tea Break (Staff Session)	15:30	Tea Break (Staff Session)	
18:00	Dinner	18:00	Dinner	18:00	Dinner	
	Cluster Design Assignment (Part 1)		Benchmarking Assignment		Cluster Design Assignment (Part 2)	
	Tutorial 1: Build / Compile GCC and Single Node HPL	Tu	utorial 2: Network, NAT, NTP, NFS, SSH, Firewall, User Management	Tutorial 3:Lmo	d, Build and Compile BLAS, MPI & HPL, HPCC, LAMMPS, Qiskit	

Thursday (11th July)		Friday (12th July)			Saturday (13th July)	
	HPC Administration and Application Visualization		Career Guidance Pannel		Student Presentations	
7:00	Breakfast	7:00	Breakfast	7:00	Breakfast	
8:30	Cluster Admin, Ansible & Containers	8:30	HPC Career Pannel	7.00	breukjust	
9:30	Monitoring	8:30	HPC Career Pannel			
10:30	Tea Break	10:30	Tea Break			
11:00	Schedulers	11:00	Tutorials			
12:00	Data Visualization & Jupyter Labs	11:00		0.00		
13:00	Lunch	13:00	Lunch	8:00	Team Presentations	
14:00	Tutorials	14:00	Tutorials			
15:30	Tea Break (Staff Session)	15:30	Tea Break (Staff Session)			
18:00	Dinner	18:00	Dinner			
		23:00	Cluster Design Assignment Submission Deadline	23:00	(Saturday) Benchmarking Assignment Submission Deadline	
Tutorial 4	: Cluster Admin, Monitoring, Data Visualization & Interpretation					

Accommodation

All students to be checked-in, by 16:00 on Sunday 7th July 2024. Student Residence

Welcome Dinner Funcion

The Welcome Function will be held at from 18:30 for 19:00 on Sunday 7th July 2024.

Directions to Welcome Dinner Function

North Campus Conference Center

Directions to Cafeteria for Breakfast and Dinner

North Campus Conference Center

Directions to Computer Labs for all Lectures and Tutorials Room 3

Mapungubwe Building - Newton Engineering

		Sat	urday (13th July)
		Studer	nt Presentations Roster
8:00	Wits1	12:00	HyperNet
8:20	EEElite	12:20	UNISA-SCT '24
8:40	HPC Wizards	12:40	Lunch
9:00	Wits-A	13:40	Ctrl Alt Elite
9:20	Tea Break	14:00	Future Innovators
9:40	The Best Group	14:20	Nexus Networkers
10:00	Khulisa IP-A	14:40	Cybershield
10:20	ThunderBytes	15:00	Tea Break
10:40	Khulisa Data	15:20	Algorithm Avengers
11:00	Tea Break	15:40	Parallel Pioneers
11:20	WSU Elite	16:00	DC Spears
11:40	Cyphers	16:20	CUT_Team