

Centre for High Performance Computing 2024 National Conference

Sunday 01 December 2024

Workshop: Climate (part 1) - BICC.G-W - Wood Rooms (09:00-10:30)

time	[id] title	presenter
09:00	[91] MODELLING CLIMATE CHANGE IMPACTS ON FUTURE OFFSHORE WIND ENERGY USING GEOSPATIAL INTELLIGENCE	Dr HAMAGA, Kgabo Humphrey T

Workshop: CSC students - BICC.G-D2 - D2 Tsitsikamma (09:00-10:30)

Workshop: DL POLY (part 1) - BICC.G-B2 - B2 Tsitsikamma (09:00-10:30)

time	[id] title	presenter
09:00	[137] Different Techniques of Force-field Derivation and Setting Up Molecular Dynamics (MD) Calculations at CHPC Using DL_POLY Code	MASEDI, Clifton

Workshop: TBA - BICC.G-D1 - D1 Tsitsikamma (09:00-10:30)

Workshop: SDC students - BICC.G-D2 - D2 Tsitsikamma (11:00-12:30)

Workshop: Climate (part 2) - BICC.G-W - Wood Rooms (11:00-12:30)

Workshop: TBA - BICC.G-D1 - D1 Tsitsikamma (11:00-12:30)

Workshop: DL POLY (part 2) - BICC.G-B2 - B2 Tsitsikamma (11:00-12:30)

Workshop: Practical QC (part 1) - BICC.G-D1 - D1 Tsitsikamma (13:30-15:00)

time	[id] title	presenter
13:30	[199] Hands-On Practical Introduction to Quantum Computing	PETRUCCIONE, Francesco

Workshop: Molecular Dynamics (part1) - BICC.G-B2 - B2 Tsitsikamma (13:30-15:00)

time	[id] title	presenter
13:30	[3] Windows Subsystem for Linux with GPU support for molecular dynamics simulations	GOVENDER, Krishna

Workshop: Wind energy (part 1) - BICC.G-W - Wood Rooms (13:30-15:00)

time	[id] title	presenter
13:30	[93] A near real-time spatial monitoring and forecasting of wind energy using geospatial big data	Prof. SIBANDZE,, Phila Prof. THAMAGA, Kgabo Humphrey

Workshop: Materials Modelling (part 1) - BICC.G-D2 - D2 Tsitsikamma (13:30-15:00)

time	[id] title	presenter
13:30	[115] Exploiting exascale HPC for materials modelling; UK's Excalibur Project	Prof. WOODLEY, Scott Prof. KEAL, Thomas Dr PULIGHEDDU, Marcello Dr SMITH, Matt Dr SOKOL, Alexey Dr KV, Rajany

Workshop: Wind energy (part 2) - BICC.G-W - Wood Rooms (15:30-17:00)**Workshop: Molecular Dynamics (part 2) - BICC.G-B2 - B2 Tsitsikamma (15:30-17:00)****Workshop: Practical QC (part 2) - BICC.G-D1 - D1 Tsitsikamma (15:30-17:00)****Workshop: Materials Modelling (part 2) - BICC.G-D2 - D2 Tsitsikamma (15:30-17:00)****Workshop: Materials Modelling (part 3 & 4) - BICC.G-D2 - D2 Tsitsikamma (18:00-19:30)****Workshop: TBA - BICC.G-D1 - D1 Tsitsikamma (18:00-19:30)****Workshop: Molecular Dynamics (part 3 & 4) - BICC.G-B2 - B2 Tsitsikamma (18:00-19:30)****Workshop: Wind energy (part 3) - BICC.G-W - Wood Rooms (18:00-19:30)**

time	[id] title	presenter
18:00	[94] A deep learning-based wind energy turbines suitability location analysis and transferability	Mr SIBANDZE, Phila