

2017 CHPC National Conference



Sunday 03 December 2017 - Thursday 07 December 2017

Velmoré Hotel Estate

Scientific Programme

Astronomy/SKA

Astronomy and the SKA.

Computational Chemistry

Computational chemistry, including pharmacology and related applications.

Computational Mechanics

Computational mechanics, including computational electromagnetics and related areas in engineering and science.

Bioinformatics and Biological Sciences

Bioinformatics and biological sciences.

HPC Techniques and Computer Science

HPC techniques and computer science.

Earth Systems Modelling

Earth systems modelling, including ocean, atmosphere, weather and climate sciences.

Materials Science & Physics

Materials science and related physics.

Astrophysics and Space Physics

Astrophysics, cosmology and space physics.

Storage and I/O

Extremely large storage and very fast I/O.

Cognitive Computing & Machine Learning

AI, cognitive computing, big data and machine learning.

B.o.F

Birds of a feather sessions dedicated to speciality topics and discussions.

S.I.G.

Special Interest Group meeting.

Workshops

Workshops take place on Sunday or Thursday and are half-day or one day in duration. They are dedicated to a single topic and include short courses, tutorials, mini-symposia or workshops.

SA NREN

South African National Research Network dedicated track.

DIRISA

Data Intensive Research Initiative of South Africa dedicated session.

Student Cluster Competition

Final round of the CHPC student cluster competition.

Network Security Competition

Student network security competition.

HPC Technology

The technology of HPC, hardware and software.