

Centre for High Performance Computing 2020 National Conference

Monday 30 November 2020

Keynote: Opening & Keynote 1 (10:30-12:00)

-Conveners: Chair: Werner Janse Van Rensburg

time	[id] title	presenter
10:30	[144] Opening & Announcements	JANSE VAN RENSBURG, Werner
10:40	[133] Welcome: Department of Science and Innovation (DSI)	Dr ADAMS, Daniel
11:00	[134] Welcome: National Integrated Cyber Infrastructure System (NICIS)	Dr SITHOLE, Happy
11:20	[135] Keynote 1: From Centralized Hyperscale to Edge Cloud and Edge AI	Dr NGCABA, Andile

Keynote: 2 [Diamond] (12:15-13:15)

-Conveners: Chair: Dorah Thobye

time	[id] title	presenter
12:15	[152] Keynote 2: Accelerate Insights with AI and HPC combined	GILLICH, Stephan

Keynote: 3 (16:30-17:30)

-Conveners: Chair: Edward Rakate

time	[id] title	presenter
16:30	[129] Keynote 3: Strong Gravitational Lensing and Machine Learning in the Era of Large Sky Surveys	Prof. PERREAULT LEVASSEUR, Laurence

Keynote: Vendor Crossfire (17:45-19:15)

-Conveners: Dan Olds; Facilitators: Addison Snell

time	[id] title	presenter
17:45	[155] Industry Crossfire: HPC Market Overview and SC20 Reactions	SNELL, Addison
18:15	[156] Industry Crossfire: Vendor Panel Discussions	SNELL, Addison OLDS, Dan

Tuesday 01 December 2020

Keynote: 4 (16:30-17:30)

-Conveners: Chair: Anwar Vahed

time	[id] title	presenter
16:30	[90] Keynote 4: Automated Detection of Eskers in Hillshaded Digital Elevation Models Using Convolutional Neural Networks	Dr MWITONDI, Kassim

Keynote: 5 (17:45-18:45)

-Conveners: Chair: Leon Staphorst

time	[id] title	presenter
17:45	[140] Keynote 5: Integrated Approach to Enabling Digital Transformation of the Education Sector	MTUMBUKA, Matthews

Wednesday 02 December 2020

Keynote: 6 (16:30-17:30)

-Conveners: Chair: Happy Sithole

time	[id] title	presenter
16:30	[143] Keynote 6: HPC – the Point of the Spear	Prof. STERLING, Thomas

Keynote: Awards & Closing (17:45-19:15)

-Conveners: Chair: Happy Sithole