Centre for High Performance Computing 2021 National Conference

Wednesday 01 December 2021

Keynote: Opening (10:30-11:15)

-Conveners: Chair: Dr Werner Janse van Rensburg (CHPC)

time	[id] title	presenter
10:30	[141] Opening: Chair: Dr Werner Janse van Rensburg, CHPC	
10:35	[142] Welcome: Prof Yonah Seleti, DSI	
10:50	[143] Welcome: Dr Happy Sithole, NICIS	
11:05	[144] Modelling & Simulation Decadal Plan: Dr Jeffrey Baloyi, CSIR	

Keynote: 1 (11:15-12:00)

-Conveners: Chair: Dr Werner Janse van Rensburg (CHPC)

time	[id] title	presenter
11:15	[146] Globally Federated Supercomputing: InfiniCortex and other explorations	Dr MICHALEWICZ, Marek

Keynote: 2 Intel (12:15-13:15)

-Conveners: Chair: Dr Marek Mechalewicz (UW)

time	[id] title	presenter
12:15	[149] More Security for High Performance Computing with Intel in the New Era of Supercomputing	Dr PHILIPPE, Jean-Laurent

Keynote: 3 Mr Stephen Ozoigbo, ARM (16:30-17:30)

-Conveners: Chair: Mr Edward Rakate (CHPC)

time	[id] title	presenter
16:30	[118] KEYNOTE 3: 4IR and opportunities within the next decade of compute: The era of Specialized and Confidential Compute	Mr OZOIGBO, Stephen

Keynote: Vendor CrossfIre (17:45-19:20)

-Conveners: Chairs: Mr Addison Snell and Mr Dan Olds (Intersect360)

time	[id] title	presenter
17:45	[121] HPC Market Update and Insights from SC21	Mr SNELL, Addison
18:15	[111] Vendor Crossfire: Mr Addison Snell and Mr Dan Olds	OLDS, Dan SNELL, Addison

Thursday 02 December 2021

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

-Conveners: Chair: Prof Michela Taufer (UTK)

time	[id] title	presenter
16:30	[140] Chameleon: Taking Science from Cloud to Edge	Dr KEAHEY, Kate

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

-Conveners: Chair: Ms Dorah Thobye (CHPC)

time	[id] title	presenter
17:45	[130] The value of Higher Performance Computing for decision-making in the National Policy Data Observatory during the COVID-19 pandemic.	Dr MTSWENI, Jabu Mr JENNEKER, Ashwell

Friday 03 December 2021

Keynote: 6 (11:00-12:00)

   -**Conveners: Chair: Dr Anwar Vahed (DIRISA)**

time	[id] title	presenter
11:00	[101] KEYNOTE 6: The evolution of the ARDC Nectar Research Cloud - responding to the demands of multi-disciplinary national research in unprecedented times.	Ms WALSH, Carmel

Keynote: 7 (16:30-17:30)

   -**Conveners: Chair: Dr Happy Sithole (NICIS)**

time	[id] title	presenter
16:30	[102] KEYNOTE 7: A Pivot of HPC towards Memory-Centric Computers for AI	Prof. STERLING, Thomas

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

   -**Conveners: Chair: Dr Happy Sithole (NICIS)**

time	[id] title	presenter
17:45	[171] Awards Ceremony and Closing	Dr SITHOLE, Happy