

Centre for High Performance Computing 2022 National Conference

Wednesday 30 November 2022

HPC: Technology 1 - ICC-G-Emerald - Emerald Auditorium (10:15-11:15)

-Conveners: Chair: Dr Scott Klasky

time	[id] title	presenter
10:15	[180] AutoX: Towards new tools and infrastructure for seamless reproducibility of Computational Research	Dr RUNESHA, Hakizumwami Birali
10:45	[108] A movement to highlight the importance of research software and the people who develop it	Ms VAN DER WALT, Anelda MAPHANGA, Nomalungelo

HPC: Technology 2 - ICC-G-Emerald - Emerald Auditorium (11:45-12:45)

-Conveners: Chair: Dr Hakizumwami Birali Runesha

time	[id] title	presenter
11:45	[181] Computational Science for Graduate level training	Prof. ONIME, Clement
12:15	[192] Mentoring Past Imposter Syndrome to Expand the HPC Workforce	Dr LOFSTEAD, Jay

HPC: Technology 3 - ICC-G-Emerald - Emerald Auditorium (13:45-14:45)

-Conveners: Chair: Prof Clement Onime

time	[id] title	presenter
13:45	[191] Computing Infrastructure at the South Africa Radio Astronomy Observatory: Past, Present and Future	Mr MAIN, Jeremy
14:15	[195] SAGE: A National Cyberinfrastructure for AI@Edge Computing	Dr BECKMAN, Pete

Thursday 01 December 2022

HPC: Technology 3 - ICC-G-Emerald - Emerald Auditorium (10:15-11:15)

-Conveners: Chair: Dr Paul Calleja

time	[id] title	presenter
10:15	[111] Intel in HPC	Mr ALJESHI, Ahmed
10:45	[182] High Performance Computing & AI at HPE and convergence of workloads	Mr BLONDEL, Olivier

HPC: Technology 4 - ICC-G-Emerald - Emerald Auditorium (11:45-13:00)

-Conveners: Chair: Dr Oz Parchment

time	[id] title	presenter
11:45	[177] Seeking the balance between power consumption and performance	Mr BUGGENHOUT, Kris
12:05	[117] The Path To Zero Emissions Computing	Mr KOOPMAN, Rick
12:25	[165] NVIDIA Cloud Native Computing	Mr AVNI, Yossi
12:45	[164] Q&A	

HPC: Education BoF - ICC-G-Emerald - Emerald Auditorium (13:45-14:45)

-Conveners: Convener: Mr Bryan Johnston

time	[id] title	presenter
13:45	[179] HPC Education Birds-of-a-Feather (BoF)	Mr JOHNSTON, Bryan

HPC: Ecosystems BoF - ICC-G-Emerald - Emerald Auditorium (15:15-16:15)

-Conveners: Convener: Mr Bryan Johnston

time	[id] title	presenter
15:15	[178] HPC Ecosystems Birds-of-a-Feather (BoF)	Mr JOHNSTON, Bryan

Friday 02 December 2022

HPC: Visualisation BoF - ICC-G-Emerald - Emerald Auditorium (10:15-11:30)

-Conveners: Convener: Dr Samuel Mabakane

time	[id] title	presenter
10:15	[127] HPC Visualisation Birds-of-a-Feather (BoF)	Dr MABAKANE, Samuel

HPC: Storage & IO 1 - ICC-G-Emerald - Emerald Auditorium (12:00-13:00)

-Conveners: Chair: Dr Jay Lofstead

time	[id] title	presenter
12:00	[106] The Data Deluge: Overcoming the Barriers to Extreme Scale Science	Dr KLASKY , Scott
12:30	[110] Time to Revisit Erasure Codes in Data-intensive Clusters	IBRAHIM, Shadi

HPC: Storage & IO 2 - ICC-G-Emerald - Emerald Auditorium (14:00-15:00)

-Conveners: Chair: Dr Jay Lofstead

time	[id] title	presenter
14:00	[17] The role of storage target allocation in applications' I/O performance with BeeGFS - a medium-sized cluster experience	Dr BOITO, Francieli Dr TEYLO, Luan
14:30	[96] Open Source Program Offices in Research Universities	MALTZAHN, Carlos