



MULTICORE WORLD 2014

SCHEDULE

<u>Tuesday 25th</u>	<u>Wednesday 26th</u>
8:45 – 8:55 – Conference Opening	8:40 – Opening
8:55 – 9:45 – “A New Kind of Parallelism: The Ubox Method” - John Gustafson - USA	8:45 – 9:15 - “SKA: Driving Innovation” Jasper Horrell – South Africa (video conference)
9:50 – 10:30 - “Comparative Scalability I/O Studies in HPC Clusters” - Andreas Wicenec - Australia	9:15 – 10:00 – “The Revolution is On – Dependable Software is Becoming Affordable” - Gernot Heiser - Australia
10:30 – 11:00 – Morning Tea	10:05 – 10:40 - “A tale of two projects -- Partitioning to a massively parallel machine and Scaling out program analysis to millions of lines of code” - Cristina Cifuentes - Australia
11:00 – 11:35- “The problem of scale in computational nanoscience” - Nicola Gaston – New Zealand	10:40 – 11:10 Morning Tea
11:40 – 12:20 - “Scaling HPC applications in a core rich environment” - Kent Winchell - USA	11:10 – 11:50 - “The Symbiotic relationship between game technology and Heterogeneous HPC” -Alex St. John - USA
12:25 – 13:30 – Lunch	11:55 – 12:30 - “Big Data, e-infrastructure and the Economic Impact Opportunity” - John Bancroft – UK – New Zealand
13:30 – 13:45 – “HPC Technology Landscape Review” – TN Chan – New Zealand	12:30 – 13:30 – Lunch
13:45 – 14:20 - “Exploiting the new Kaveri CPU/GPU architecture” - David Brebner – New Zealand	13:30 – 14:10 - “Adaptive Integration of Hardware and Software Lock Elision Techniques” - Mark Moir – NZ - USA
14:20 – 15:00 - “Embedded Languages for High-Performance Computing in Haskell” - Manuel Chakravarty - Australia	14:15 – 15:00 - “Get off the grass with Multicore” - Shaun Hendy – New Zealand
15:00 – 15:30 – Afternoon Tea	15:00 – 15:30 – Afternoon Tea
15:30 – 16:00 “Scalable distributed storage with CEPH” - Ricardo Rocha – New Zealand	15:30 – 16:20 – “Construction of Square Kilometre Array Computing” - Tim Cornwell UK (video conference)
16:05 – 16:50 – “Embedded Computing Systems in the Multi-Core Era” - Wolfgang Schröder-Preikschat - Germany	16:25 – 17:05 – Panel - “Can multicore based technologies launch a new industry and trigger an Innovation Economy?”
16:50 – 17:30 – Panel – “Billion Dollar Startups powered by Multicore Technologies”	17:10 – 17:20 – Closure
18:30 – 22:00 - Conference Dinner – Networking – Sponsored by Open Parallel	17:30 – 19:00 – Networking – Drinks & Nibbles

Open Parallel

Software for Multicore and Parallel Computing