25th - 26th February 2014, Auckland, New Zealand

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Including COMPUTING for SKA workshop, 27th - 28th February

Conference Summary

Answering the BIG QUESTIONS

Big Data - Big Processing Power - Big Storage - Big Power Efficiencies - Big Security Solutions

All modern computers are now multicore and increasingly so; we need the programming and application expertise to harness this current transformation. This is a permanent change that affects all computing.

Multicore World 2014 and Computing for SKA -organised by Open Parallel (in association with AUT University), are events to network with professionals and leaders from industry, science, academia, engineering and software communities & government, while learning about all aspects of multicore technology and business. Take the pulse of the fast growing Multicore ecosystem in a unique destination conference. Sessions will cover latest developments in software and hardware, applications and use cases, and the business opportunities behind these trends.

Conversations as valuable as the sessions Meet 20+ distinguished speakers in a peer-peer meeting. Talk to customers, executives & entrepreneurs about how are creating today the new ventures of tomorrow. Follow @MulticoreWorld and visit www.MulticoreWorld.com for ongoing information.

Multicore World 2014 Activities Conference & workshop will comprise of full days of intensive talks, panels and plentiful discussion time. Plus the following meetings:

- * ASKAIC board meeting. Australasian SKA & Big Data Industry Consortium board meeting during Multicore World 2014
- * CSP TIM#1. Multicore World 2014 warmly welcomes SKA's Central Signal Processor work package leaders who will meet on 17th - 21st February to the 1st Technology Interchange Meeting -as many of them will participate at the conference and workshop

Tuesday 25th Multicore World Day 1, 8:30 - 17:30 / Conference Dinner 18:30 - 22:00

Multicore World Day 2, 9:00 - 17:30 / Closure cocktail 18:00 - 20:30 Wednesday 26th

ASKAIC board meeting / Computing for SKA Day 1, 10:00 - 17:00 / Workshop Dinner 18:00 - 22:00 Computing for SKA Day 2, 9:00 - 17:00 / Closure 17:30 - 20:00 Thursday 27th

Friday 28th

MULTICORE WORLD 2014 - Speakers

Tim Cornwell - SKA Architect - SKA Organisation (UK). "Construction of SKA Computing"

John Gustafson - Fmr Senior Fellow, Chief Product Architect, AMD (USA). "A New Kind of Parallelism: The Ubox Method".

Gernot Heiser - Scientia Professor and John Lions Chair at University of New South Wales; Leader of SSRG, Software Systems Research Group at NICTA (National ICT Australia). "The Revolution is On - Dependable Software is Becoming Affordable"

Kent Winchell - Office of the CTO, Cray, Inc. (USA). "Scaling HPC applications in a core rich environment"

Cristina Cifuentes - Founding Director of Oracle Labs Australia. "Parallelisation in Parfait for C and Java"

Manuel Chakravarty - A/Professor, University of New South Wales (Australia). "Embedded Languages for HPC in Haskell"

Wolfgang Schroder-Preikschat - Professor, FAU (Germany). "Embedded Computing Systems in the Multi-Core Era" Shaun Hendy - FRSNZ - Professor of Physics, The University of Auckland (New Zealand). "Get off the grass with multicore"

Andreas Wicenec - Professor, University of Western Australia. "Comparative Scalability I/O Studies in HPC Clusters"

David Brebner - Founder, CEO, Unlimited Realities (New Zealand). "Exploiting the new Kaveri CPU/GPU architecture"

Mark Moir - Principal Investigator, Scalable Synchronization Research Group, Oracle Labs (USA-New Zealand).

Chris Shenton - CEO, Adaptive Array Systems (UK). "Back To the Future: Why Looking Back Is The Way Forward For Time Coherent Parallel Processing

Ricardo Rocha - Cloud Engineer, Catalyst IT (New Zealand). "Scalable distributed storage with CEPH"

Pavlo Baron - Lead Data Technologist & Scientist, codecentric AG (Germany). "Data on its way to history, interrupted by analytics and silicon"

John Bancroft - Head of Project Development, Asia Pacific for STFC (Science & Technology Facilities Council) (UK - New Zealand). "Big Data, e-infrastructure and the Economic Impact Opportunity"

Nicola Gaston - President, New Zealand Association of Scientists. Senior Lecturer, Victoria University of Wellington (New Zealand). "The problem of scale in computational nanoscience"

Minyi Guo - Zhiyuan Chair Professor - Head, Department of Computer Science & Engineering; Director, Embedded & Pervasive Computing Centre, Shanghai Jiao Tong University (China)

Computing for SKA - Speakers

Tim Cornwell - SKA Architect - SKA Organisation (UK). "Four key factors in computing for the SKA"

Jasper Horrell - General Manager, Science Computing and Innovation, SKA (South Africa).

Andreas Wicenec - Professor, Data Intensive Research, ICRAR; University of Western Australia. "A Persistence Layer for the SKA Science Data Processor

Brent Carlson - Central Signal Processor (CSP) Consortium Lead System Engineer, National Research Council of Canada. "PowerMX: a flexible platform specification for signal processing"

John Humphreys - Chair, Australasian SKA & Big Data Consortium (ASKAIC), (Australia). "SKA - Scientific Nirvana or Dataled Revolution?

John Bancroft - (UK-New Zealand) "Developments in Cloud and Parallel Computing and its applications for the SKA"

Melanie Johnston-Hollit - SKA Board member, Senior Lecturer, Victoria University of Wellington (New Zealand)

Brian Boyle - Project Director, Australia & New Zealand SKA project (Australia)

Sergei Gulyaev - Professor of Astronomy: Director, Institute of Radio Astronomy and Space Research (IRASR), Auckland University of Technology (AUT) (New Zealand)

Andrew Ensor - Director of NZ SKA Alliance, Research Senior Lecturer, AUT (New Zealand)



IMPORTANT - All information correct at the time of writing (20 January 2014). The organiser and its associates are not responsible for unforeseen changes in the program and speakers (i.e. due to speakers' flights cancellation or any other force majeure). Organiser's responsibilities stated in registration form.

Early bird tickets available now For information, updates about program and sponsorship opportunities, CONTACT Conference Director, Nicolas Erdody, nicolas@multicoreworld.com (+64) 27 5214020. Visit MulticoreWorld.com and follow @MulticoreWorld

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