

Computing Insight UK 2017 "Joining Up the UK e-Infrastructure"






Tuesday 12 and Wednesday 13 December 2017

Main Programme Session Themes

	Session 1: Hardware and Networking Development
	Session 2: Experiences of Joining Up e-Infrastructure
	Session 3: Software for Scientific Computing
	Session 4: Experiences of Cloud Computing Within the UK and Europe



DAY 1 - Tuesday 12 December 2017

TIME	MAIN PROGRAMME	EXHIBITOR FORUM	BREAKOUT SESSIONS
08:30 - 09:00	REGISTRATION OPEN (Main Foyer) EXHIBITION OPEN (Gallery)		
09:00 - 09:30			
09:30 - 10:00	<i>Welcome and Introduction: The UK e-Infrastructure</i> Jacky Pallas (King's College London)		
10:00 - 10:30	<i>The EuroEXA Project - Technological Challenges to Exascale Computing</i> Peter Hopton (Jisc)		Cyber Security STFC Hartree Centre
10:30 - 11:00	<i>Deployment of a large scale erasure coded object store for data intensive science</i> Alastair Dewhurst (STFC)		
11:00 - 11:30	REFRESHMENTS - Sponsored By... 		
11:30 - 12:00	<i>Improving Performance and Energy Efficiency on Heterogenous HPC Systems Using Scalable Hardware-Software Co-Design</i> - Vadim Elisseev (IBM)	TBC - Matthias Grawinkel (Quobyte)	
		TBC - Spencer Lamb (Verne Global)	
12:00 - 12:30	<i>Directions for Janet, the UK's Research and Education Network</i> Bob Day (Jisc)	<i>Using Software-Defined Compute to Create a Single Infrastructure for HPC</i> - John Corne (Bright Computing)	
		TBC - Claire O'Toole (OCF)	
12:30 - 13:00	LUNCH - Sponsored By 	EXHIBITION OPEN	
13:00 - 13:30			
13:30 - 14:00			
14:00 - 14:30			
14:30 - 15:00	<i>The EPSRC Tier-2 Experience</i> Paul Calleja (Cambridge University)	TBC - Cerian Clarke (Hewlett Packard Enterprise)	Spectrum Scale User Group OCF
		TBC - Rosemary Francis (Ellexus)	
15:00 - 15:30	<i>The UK Tier-0 Experience</i> Pete Clarke (Edinburgh University)	TBC - Andy Grant (Atos)	
		<i>Accelerating Research with NVMe over Fabric</i> Zivan Ori (E8 Storage)	
15:30 - 16:00	Panel Discussion: <i>Experiences of Joining Up e-Infrastructure</i> Panel: Paul Calleja, Pete Clarke, Jeremy Yates, Phil Kershaw	TBC - David Power (Boston)	
		TBC - Rod McAllister (Penguin Computing)	
		TBC - Ryan Taylor (WDC)	
16:00 - 16:30		TBC - Phil Ridley (ARM)	
16:30 - 17:00	REFRESHMENTS - Sponsored By... 		
17:00 - 17:30	<i>Application Performance on Multi-Core Processors</i> Martyn Guest (ARCCA, Cardiff University)	TBC - Remy Overkempe (ClusterVision)	
17:30 - 18:00		TBC - Federical Pisani (Cray)	
		<i>FPGA Acceleration using OpenC</i> Gallig Renaud (Molex)	
18:00 - 18:30	Keynote Presentation - Professor Steve Furber CBE, FRS, FREng ICL Professor of Computer Engineering at the School of Computer Science, University of Manchester "From ARMs to Brains"		Keynote Sponsor: 
18:30 - 19:00			
19:00 - 19:30			
19:30 - 20:00	NETWORKING RECEPTION AND STUDENT POSTER SESSION - Sponsored By...		
20:00 - 20:30			
20:30 - 21:00			

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DAY 2 - Wednesday 13 December 2017

TIME	MAIN PROGRAMME	EXHIBITOR FORUM	BREAKOUT SESSIONS
08:30 - 09:00	REGISTRATION OPEN (Main Foyer) EXHIBITION OPEN (Gallery)		
09:00 - 09:30			
09:30 - 10:00	<i>The CoSeC Programme</i> Barbara Montanari (STFC)	TBC - Matthew Ziegler (Lenovo) Novatech - not just retail Paul Sansbury (Novatech)	<i>EMiT@CIUK Workshop</i> (https://www.emit.tech)
10:00 - 10:30	<i>The RSE Programme</i> Christopher Woods (University of Bristol)	TBC - Ian Littlewood (Altair Engineering) BeeGFS - Parallel Software Defined Storage for HPC Marco Merkel (ThinkParQ GmbH)	
10:30 - 11:00	<i>Open Source and Machine Learning</i> Chris Parsons (IBM)	SkyLake Performance Analysis Steve Smith (Dell) Next-generation vector computing with NEC SX Aurora Oliver Tennert (NEC Deutschland GmbH)	
11:00 - 11:30	REFRESHMENTS - Sponsored By...		
11:30 - 12:00	<i>Not Only Fortran and MPI: The Performance Optimisation and Productivity Centre of Excellence's View of HPC Software in Europe</i> - Nick Dingle (NAG)	TBC - Quentin Gadd (VSPL) TBC - Peter Balshaw (Scan Computers International)	
12:00 - 12:30	<i>ePython: An Implementation of Python Enabling Accessible Programming of Micro-Core Architectures</i> - Nick Brown (University of Edinburgh)	TBC - Orla Power (BIOS IT) TBC - Gna Caccarella (XMA)	
12:30 - 13:00	LUNCH - Sponsored By	EXHIBITION OPEN	
13:00 - 13:30			
13:30 - 14:00			
14:00 - 14:30	Microsoft Azure HPC Mike Kiernan (Microsoft)	TBC - Patrick Adams (Intel) TBC - Chris Townend (Univa Corporation)	
14:30 - 15:00	<i>European Open Science Cloud</i> Juan Bicarregui (STFC)	TBC - Colin Bridger (Mellanox) TBC - Ed Browne (DDN Storage)	
15:00 - 15:30	<i>Accelerating the delivery of Commercial Fusion Power through collaboration, Big Data and Extreme Scale Computing</i> - Rob Akers (Culham)	TBC - Matt Dytkowski (Broadberry Data Storage)	
15:30 - 16:00	<i>Minimal Custom Containers</i> Dimitar Pashov (King's College London)		
16:00 - 16:30	<i>How the public cloud will critically wound the top tier HPC market and their customers</i> Owen Thomas (Red Oak)		
16:30	CIUK 2017 CLOSES		