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

COMPUTING INSIGHT UK 2017
12 - 13 DECEMBER 2017
MANCHESTER, UK

Science & Technology Facilities Council

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	*Welcome and Introduction: The UK e-Infastructure* Jacky Pallas (King's College London)		
10:00 - 10:30	*The EuroEXA Project - Technological Challenges to Exascale Computing* **Peter Hopton (Jisc)**		*Cyber Security* STFC Hartree Centre
10:30 - 11:00	*Deployment of a large scale erasure coded object store for data intensive science* **Alastair Dewhurst (STFC)**		
11:00 - 11:30	REFRESHMENTS - Sponsored By…	Mellanox TECHNOLOGIES	
11:30 - 12:00	*Improving Performance and Energy Efficiency on Hetrogenous HPC Systems Using Scalable Hardware-Software Co-Design* - **Vadim Elisseev (IBM)**	*TBC* - Matthias Grawinkel (Quobyte)	
		TBC - Spencer Lamb (Verne Global)	
12:00 - 12:30	*Directions for Janet, the UK's Research and Education Network* **Bob Day (Jisc)**	*Using Software-Defined Compute to Create a Single Infrastructure for HPC* - **John Corne (Bright Computing)**	
		TBC - Claire O'Toole (OCF)	
12:30 - 13:00	LUNCH - Sponsored By NEC	EXHIBITION OPEN	
13:00 - 13:30			
13:30 - 14:00			
14:00 - 14:30			
14:30 - 15:00	*The EPSRC Tier-2 Experience* **Paul Calleja (Cambridge University)**	*TBC* - Cerian Clarke (Hewlett Packard Enterprise)	*Spectrum Scale User Group* OCF
		TBC - Rosemary Francis (Ellexus)	
15:00 - 15:30	*The UK Tier-0 Experience* **Pete Clarke (Edinburgh University)**	*TBC* - Andy Grant (Atos)	
		Accelerating Research with NVMe over Fabric **Zivan Ori (E8 Storage)**	
15:30 - 16:00	Panel Discussion: *Experiences of Joining Up e-Infrastructure* **Panel: Paul Calleja, Pete Clarke Jeremy Yates, Phil Kershaw**	*TBC* - David Power (Boston)	
		TBC - Rod McAllister (Penguin Computing)	
16:00 - 16:30		*TBC* - Ryan Taylor (WDC)	
		TBC - Phil Ridley (ARM)	
16:30 - 17:00	REFRESHMENTS - Sponsored By…	Mellanox TECHNOLOGIES	
17:00 - 17:30	*Application Performance on Multi-Core Processors* **Martyn Guest (ARCCA, Cardiff University)**	*TBC* - Remy Overkempe (ClusterVision)	
		TBC - Federical Pisani (Cray)	
17:30 - 18:00		*FPGA Acceleration using OpenC* **Gallig Renaud (Molex)**	
		TBC - Andrew Richardson (Intel)	
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:	BOSTON Servers I Storage I Solutions
18:30 - 19:00			
19:00 - 19:30	**NETWORKING RECEPTION AND STUDENT POSTER SESSION** - Sponsored By…	Atos	
19:30 - 20:00			
20:00 - 20:30			
20:30 - 21:00			

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Main Programme Session Themes

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

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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	*The CoSeC Programme* **Barbara Montanari (STFC)**	*TBC* - **Matthew Ziegler (Lenovo)**	
		Novatech - not just retail **Paul Sansbury (Novatech)**	
10:00 - 10:30	*The RSE Programme* **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	*Open Source and Machine Learning* **Chris Parsons (IBM)**	*Skylake Performance Analysis* **Steve Smith (Dell)**	
		Next-geneation vector computing with NEC SX Aurora **Oliver Tennert (NEC Deutschland GmbH)**	
11:00 - 11:30	REFRESHMENTS - Sponsored By…	Altair	
11:30 - 12:00	*Not Only Fortran and MPI: The Performance Optimisation and Productivity Centre of Excellence's View of HPC Software in Europe -* **Nick Dingle (NAG)**	*TBC* - **Quentin Gadd (VSPL)**	
		TBC - **Peter Balshaw (Scan Computers International)**	
12:00 - 12:30	*ePython: An Implementation of Python Enabling Accessible Programming of Micro-Core Architectures -* **Nick Brown (University of Edinburgh)**	*TBC* - **Orla Power (BIOS IT)**	*EMiT@CIUK Workshop (https://www.emit.tech)*
		TBC - **Gna Caccarella (XMA)**	
12:30 - 13:00	LUNCH - Sponsored By Microsoft	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	*European Open Science Cloud* **Juan Bicarregui (STFC)**	*TBC* - **Colin Bridger (Mellanox)**	
		TBC - **Ed Browne (DDN Storage)**	
15:00 - 15:30	*Accelerating the delivery of Commercial Fusion Power through collaboration, Big Data and Extreme Scale Computing -* **Rob Akers (Culham)**	*TBC* - **Matt Dytkowski (Broadberry Data Storage)**	
15:30 - 16:00	*Minimal Custom Containers* **Dimitar Pashov (King's College London)**		
16:00 - 16:30	*How the public cloud will critically wound the top tier HPC market and their customers* **Owen Thomas (Red Oak)**		
16:30	CIUK 2017 CLOSES		