Updated on March 11, 2016

SCF2016 MAIN CONFERENCE PROGRAMME Day 2	Wednesday, 16 March 2016 Breakthrough Theatrette, Level 4, Matrix Building, Biopolis	
08:00 - 09:00	Registration & Welcome Coffee	
BRAIN, A.I. & SUPERCOMPUTING | Chair: Horst Simon		
09:00 - 10:00	Keynote I Could A Brain Ever Have A Mind? *Baroness Susan Greenfield, Oxford University, United Kingdom*	
10:00 - 10:30	From Supercomputing to Superintelligence *Roman Yampolskiy, University of Louisville, USA*	
10:30 - 10:50	Break	
EXASCALE & LANGUAGES | Chair: Marek Niezgódka		
10:50 - 11:35	Keynote I Sequoia to Sierra: The LLNL Strategy *Bronis R. de Supinski, Lawrence Livermore National Laboratory, USA*	
11:35 - 12:05	Exascale Programming Models: Where Are We Now? *Barbara Chapman, Stony Brook University, USA*	
12:05 - 12:35	In the Zone: HPC with Extempore *Andrew Sorenson, The Australian National University, Australia*	
12:35 - 13:35	Lunch	
LANGUAGES | Chair: Patricia Kovatch		
13:35 - 13:55	PCJ – A Java Library for Scalable Heterogenous Parallel Computing *Marek Nowicki, Łukasz Górski & Magdalena Ryczkowska, Nicolaus Copernicus University, Poland* *Piotr Bala, Interdisciplinary Centre for Mathematical and Computational Modelling, Poland*	
13:55 - 14:35	Panel Discussion I The Brain in Silicon? *John Gustafson (Moderator), Baroness Susan Greenfield, Bronis de Supinski, Roman Yampolskiy, Barbara Chapman, Andrew Sorenson & Horst Simon*	

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INTERCONNECTS & TOPOLOGIES | Chair: Bronis de Supinski		
14:35 - 14:55	A Dynamic Congestion Management System for InfiniBand Networks *Fabrice Mizero & Malathi Veeraraghavan, University of Virginia, USA* *Qian Liu & Robert D. Russell, University of New Hampshire, USA* *John M. Dennis, National Center for Atmospheric Research, USA*	
14:55 - 15:15	Strategies for Topology Aware Job Mapping and Scheduling in Multidimensional Torus-based Petascale Systems *Jarek Nabrzyski & Kangkang Li, University of Notre Dame, USA* *Maciej Malawski, AGH University of Science & Technology, Poland*	
SYSTEM MONITORING | Chair: Bronis de Supinski		
15:15 - 15:35	Making Large-Scale Systems Observable — Another Inescapable Step Towards Exascale *Dmitry Nikitenko, Sergey Zhumatiy & Pavel Shvets, Lomonosov Moscow State University, Russia*	
15:35 - 15:55	Break	
INFINICORTEX | Chair: Robert Harrison		
15:55 - 16:15	Around The Globe Towards Exascale: InfiniCortex – Past and Present *Gabriel Noaje, A*STAR Computational Resource Centre, Singapore*	
16:15 - 16:45	How Can We Bridge Supercomputing, Next Generation Networks, Big Data and Applications? *Krzysztof Kurowski, Poznań Supercomputing and Networking Center, Poland*	
16:45 - 17:05	The Role of Standards in Supercomputing *David Southwell, Obsidian Strategics, Canada*	
17:05 - 17:35	InfiniCloud 2.0: Distributing High Performance Computing Across Continents *Jakub Chrzeszczyk, Andrew Howard, The Australian National University, Australia* *Andrzej Chrzeszczyk, Jan Kochanowski University, Poland*	
18:00 - 21:30	Conference Dinner at 1-Altitude	
END OF DAY 2		