PARCOMPTECH 2017 Tentative Agenda
Venue: NIAS Auditorium, IISc Campus, Bangalore

Day-1 (23 February 2017)		
8:30 am – 9:30 am	Registration	
9:30 am - 11:15 am	**Inaugural Session** **Keynote 1:** Big Data, Small Testing ? – By Prof. Jayant Haritsa, IISc	
11:15 am - 11:30 am	**Tea Break**	
11:30 am - 1:00 pm	**Session: 1**	
Time	Programme	Speakers
	Industry Talk 1: Intel® Technologies for HPC for masses	Shri Austin Cherian, Intel India
	Invited Talk 1: Green Software Development and Green Programming	Prof Y.N. Srikanth, IISc
	Invited Talk 2: Bits to Barrels – New ways of Computing in the Energy Industry	Dr. Chiranjib Sur, Shell India
1:10 pm - 2:00 pm	**Lunch Break**	
2:00 pm – 3:45 pm	**Session:2**	
	Invited Talk 3: High Performance networks in multicore / manycore computing era	Shri Atul Bodas, CDAC
	Paper 1: An improved bio inspired Parallel Firefly algorithm for Permutation Routing in Baseline Multistage Interconnection network	Shri Abhay Rathod, JD Institute of Engg. and Tech, Yavatmal
	Paper 2: Significance of Hierarchical and Partitioning based Clustering in Grouping Aware Data Placement for Data Intensive Applications.	Shri S. Vengadeswaran, NIT-T
	Invited Talk 4: Memory Architecture for Exa-scale Computing: Challenges and Solution Directions	Dr. Sparsh Mittal, IIT Hyd
3:45 pm - 4:00 pm	**Tea Break**	
4:00 pm - 5:15 pm	**Session: 3**	
	Industry Talk 2: - Transforming from Single Purpose HPC to Large Purpose HPC	Shri Bharatkumar Sharma, - Nvidia
	Invited Talk 5: Using Machine Intelligence for Healthcare	Dr. Geetha Manujunath, NIRAMAI

6.30 PM Cultural Programme: Yakshagana performance by Shri Mantapa Prabhakara Upadhyaya
Followed by Dinner

Day-2 (24 February 2017)		
9:30 am - 10:15 am	**Keynote 2**: The Challenge of Performance: Software is (Still) the Key - By Dr. Sunil Sherlekar, Sankhya Sutra Labs	
10:15 am - 11:20 am	**Session: 1**	
Time	**Programme**	**Speakers**
	Industry Talk 3: Tornado – hot water cooled and ultra-high dense HPC solution for energy efficient and compact supercomputing	Dr. Alexander Moskovsky, RSC Group
	Paper 3: BDPGx - A Big Data Platform for Graph-based Pharmacogenomics Data	Shri Pavan Kumar Alluri, C-DAC
11:20 am - 11:30 am	**Tea Break**	
11:30 am- 1:00 pm	**Session: 2**	
	Invited Talk: 6 Efforts in realization of scalable quantum computing by exploiting quantum correlations and ultrafast dynamics of complex systems: vibrating molecules, colloidal clusters, and mixed liquids	Dr. Debabrata Goswami, IIT Kanpur
	Paper 4: Parallel 2D and 3D Acoustic Modeling Application for hybrid computing platform of PARAM Yuva II	Shri Abhishek Srivastava, C-DAC
	Paper 5: Identifying Pitfalls in Automatic Parallelization of NAS Parallel Benchmarks	Ms. Prema S, HBNI Kalpakkam
	Invited Talk 7: OpenPOWER for HPC & HPDA	Shri Ganesan Narayansamy, IBM India
1:00 pm - 2:00 pm	**Lunch Break**	
2:00 pm - 3:30 pm	**Session: 3**	
	Invited Talk 8: Cryptanalysis using Supercomputers, FPGAs and GPUs	Dr Anandamohan, CDAC
	Paper 6: Accelerated Spam Filtering with Enhanced KMP Algorithm on GPU	Shri Venkata Krishna Pavan Kalubandi, VIT Vellore
	Paper 7: Performance Comparison of Various STM Concurrency Control Protocols Using Synchrobench	Shri Ajay Singh, IIT-H
	Paper 8: Average End-to-End delay of customized ZigBee Stack	Dr.Narmada Alaparthi, Vardhaman Engineering College, Hyderabad
3:30 pm - 3:45 pm	**Tea Break**	
3:45 pm – 5:00 pm	**Valedictory Function**	