**IEEE 32nd International Parallel &
Distributed Processing Symposium**
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IPDPS 2018 PhD Forum
Research Projects Selected for Poster Presentation

#	Participant	Title
1	Xin Wang	*Trade-off Study on Dragonfly System*
2	Hongbo Li	*Correctness Support for MPI Applications*
3	Shaoqi Wang	*Scalable Distributed Machine Learning on Data-parallel Clusters*
4	Yuping Fan	*xMax: A Multi-Dimensional Job Scheduling Framework for Exascale HPC Systems*
5	Gal Oren	*Fault-Tolerant Data Backup-Placement in Overloaded Wireless Sensor Networks*
6	Rolando Brondolin	*DEEP-mon: Dynamic and Energy Efficient Power monitoring for container-based infrastructures*
7	Hui Zhang	*ChplBlamer: A Data-centric and Code-centric Combined Profiler for Multi-locale Chapel Programs*
8	Bharti Wadhwa	*Transparent Data Management in Multi-layer Storage Hierarchy of HPC Systems*
9	Ari Rasch	*ATF: A Generic Auto-Tuning Framework*
10	Jinsu Park	*Quantifying the Performance and Energy-Efficiency Impact of Hardware Transactional Memory on Scientific Applications on Large-Scale NUMA Systems*
11	Christina Kolb	*Competitive Routing in Hybrid Communication Networks*
12	Sanjana Singh	*Static+Dynamic Race Detection of C11 Programs with Relaxed Memory Support*
13	Arthur Lorenzon	*Aurora: Seamless Optimization of OpenMP Applications*
14	Massinissa Ait Aba	*Optimization of energy and application performance on heterogeneous platforms*
15	Bo Fang	*Predicting the impact of roll-forward recovery for HPC applications*
16	Roshan Dathathri	*Partitioning policies for distributed graph analytics*
17	Gurbinder Gill	*Abelian: A Compiler and Runtime for Graph Analytics on Distributed, Heterogeneous Platforms*

18	Vivekanandan Balasubramanian	*Harnessing the Power of Many: Extensible Toolkit for Scalable Ensemble Applications*
19	Carlos E Gomez	*Desktop Cloud Systems: Offering a Dependable Service*
20	Jeremy Benson	*Distributed System for Diabetic Retinopathy*
21	Ernesto Dufrechou	*Exploiting Data-Parallelism in ILUPACK using Graphics Processors*
22	Sumathi Sivasubramaniam	*On the robustness of the Spartan overlay network*
23	Wojciech Michal Pawlak	*Accelerated Interest Rate Option Pricing using Trinomial Trees*
24	Ihsan Ali	*Reliability-aware Data Collection in Sensor Cloud*
25	P. Veda Bhanu	*Fault-Tolerant Network-on-Chip Design using Particle Swarm Optimization*
26	Giulio Stramondo	*Application-centric Parallel Memories*
27	Nirmal Parajpati	*Designing Stencil Accelerators Using Analytical Cost Models*
28	Jordi Wolfson-Pou	*Convergence Models and Surprising Results for the Asynchronous Jacobi Method*
29	Suvankar Barai	*Path Following of Autonomous Robot using WiFi Module ESP8266*
30	Mehdi Alipour	*Scheduling the Load-Slices*
31	Sriram Srinivasan	*Shared Memory Implementation of Identifying Overlapping Communities in Large Scale Networks*