



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

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