



IPDPS 2012 PhD Forum Research Projects Selected for Poster Presentation Thursday, May 24th, All Day

ALG	ORITHMS
1	Communication-Optimal Parallel N-body Solvers Aparna Chandramowlishwaran (Georgia Institute of Technology, USA)
2	Modeling and Analysis for Performance and Power Jee Choi; Richard W Vuduc (Georgia Institute of Technology, USA)
3	Fixed-Priority Multiprocessor Scheduling: Critical Instant, Response Time and Utilization Bound Guan Nan; Wang Yi (Uppsala University, Sweden)
4	Privacy Preserving Techniques for Location Based Services in Mobile Networks Xinxin Liu; Xiaolin Li (University of Florida, USA)
5	Energy-aware scheduling: models and complexity results Guillaume Aupy; Anne Benoit; Yves Robert (ENS Lyon, France)
6	Fault Tolerance in P2P-Grid Environments Wang Huan; Hidenori Nakazato (Waseda University, Japan)
7	A Fast Repair Code Based on Regular Graphs for Distributed Storage System Yan Wang (Fudan University, P.R. China)
APP	LICATIONS
8	Inference of Huge Trees under Maximum Likelihood Fernando Izquierdo-Carrasco; Alexandros Stamatakis (Heidelberg Institute for Theoretical Studies, Germany)
9	Multithreaded Algorithms for Matching in Graphs with Application to Data Analysis in Flow Cytometry Ariful Azad (Purdue University, USA)
10	Sequence Alignment on Massively Parallel Heterogeneous Systems Aleksandr Drozd; Naoya Maruyama; Satoshi Matsuoka (Tokyo Institure of Technology, Japan)
11	Subgraph Querying in Relational Networks: a MapReduce Approach Zhao Zhao (Virginia Tech, USA)
12	MapReduce Framework Optimization via Performance Modeling Lijie Xu (Institute of Software, Chinese Academy of Sciences, P.R. China)
13	Integrated Parallelization of Computations and Visualization for Large-scale Applications Preeti Malakar; Vijay Natarajan; Sathish Vadhiyar (Indian Institute of Science Bangalore, India)
14	Identity Based Schemes for Securing Mobile Ad Hoc Networks Uttam Ghosh (Indian Institute of Technology, Kharagpur, India)
15	QoS-Oriented Data Dissemination in VANETs LiFeng Zhang; Beihong Jin (Institute of Software, Chinese Academy of Sciences, P.R. China)
16	Coverage-aware Geocast Routing in Urban Vehicular Networks Ruobing Jiang; Yanmin Zhu (Shanghai Jiao Tong University, P.R. China)
ARC	HITECTURE
17	Towards Modelling Parallelism and Energy Performance of Multicore Systems Bogdan Marius Tudor; Yong-Meng Teo (National University of Singapore, Singapore)
18	Parallel Circuit Simulation on Multi/Many-core Systems Xiaoming Chen; Yu Wang; Huazhong Yang (Tsinghua University, P.R. China)
19	On the Correctness of Mixing Lazy and Eager Version Management in Transactions Lihang Zhao; Jeffrey Draper (University of Southern California/ Information Sciences Institute, USA)
SOF	TWARE
20	Characterizing Load and Communication Imbalance in Large-Scale Parallel Applications David Böhme; Felix Wolf (German Research School for Simulation Sciences, Germany)
21	Autonomous and Energy-Aware Management of Large-Scale Cloud Infrastructures Eugen Feller; Christine Morin (INRIA, France)
22	Minimalistic Adaptive Resource Management for Multi-tier Applications Hosted on Clouds Waheed Iqbal (Asian Institute of Technology, Thailand)
23	Designing Flexible Resource Rental Models for Implementing HPC-as-a-Service in Cloud Han Zhao; Xiaolin Li (University of Florida, USA)
24	Generalizing the Utility of GPUs in Large-Scale Heterogeneous Computing Systems Shucai Xiao; Wu-chun Feng (Virginia Tech, USA)