1st ACM Workshop on:

"High Performance Mobile Opportunistic Systems"
HP-MOSys 2012

IMPORTANT DATES:
Paper Submission: 5th June, 2012
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CFP for the 1st ACM Workshop on "High Performance Mobile Opportunistic Systems" HP-MOSys 2012

To be held in conjunction with
The 15th ACM International Conference on Modeling, Analysis
and Simulation of Wireless and Mobile Systems
October 21-25 2012
Paphos, Cyprus
In cooperation with R8 IEEE COMSOC (pending)

Description of workshop: Opportunistic networks are an emerging networking paradigm where communication between the source and destination occurs on-the-fly and depends on the availability of communication links. Opportunistic communication paradigm heavily benefits from the heterogeneous networking and communication infrastructure that currently exist, e.g., mobile networks, P2P networks, with the supporting technologies in data management and system interoperability.
Motivated by further examining recent advances in this field and promoting the optimization of the existing methodologies and/or approaches, as well as presenting efficient high performance techniques for extending the survivability of such systems, both in terms of performance and reliability, we are interested in organizing this workshop with the following primary objectives:
§ Explore new and innovative ideas and improvements of opportunistic networks that can affect the overall performance of the system;
§ Explore the impact of wireless mobility and resource management in order to offer high performance and resource availability in today's computing systems.

Original research contributions in all areas of High performance Mobile Opportunistic Systems and/or applications are welcome.

Particularly the papers aim to present work in the following topical areas:

- Agent-based approaches for high performance computing systems
- Failure-aware resource management for high-availability computing in opportunistic systems
- Coordinated control for Mobile high-availability computing
- Resource management and efficient resource manipulation
- Resource availability for high performance and reliability computing
- System resource reliability and dependable computing
- Self-Managing and Reconfigurable System,
- Context-aware computing for high performance
- Distributed Systems and Networking,
- Cloud Computing for high-availability computing
- Performance Evaluation of computing systems
- Resource management in Clusters and Grids
- Any Mobile Peer-to-Peer (MP2P), vehicle-to-vehicle (V2V) technology for the provision of reliable applications/ services and high-performance computing
- Systems' Modeling and Simulation for measure and enable high-performance computing
- Large Scale Systems and schemes for high-performance computing
- Middleware(s) for high-performance computing in distributed systems
- Distributed architectures for system reliability and Self-configurable Computing
- Wireless systems' simulation based Performance Analysis

This CFP is located at : ***http://www.cs.unic.ac.cy/cmavrom/MOSys.htm***

Workshop Chairs

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