

ACM MTAGS 2013

6th Workshop on Many-Task Computing on Clouds, Grids, and Supercomputers

co-located with ACM/IEEE SC13 (International Conference for High Performance, Networking, Storage and Analysis), Denver, Colorado -- November 17th, 2013

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The 6th workshop on Many-Task Computing on Grids and Supercomputers (MTAGS) will provide the scientific community a dedicated forum for presenting new research, development, and deployment efforts of large-scale many-task computing (MTC) applications on large scale clusters, Grids, Supercomputers, and Cloud Computing infrastructure. MTC, the theme of the workshop encompasses loosely coupled applications, which are generally composed of many tasks (both independent and dependent tasks) to achieve some larger application goal. This workshop will cover challenges that can hamper efficiency and utilization in running applications on large-scale systems, such as local resource manager scalability and granularity, efficient utilization of raw hardware, parallel file system contention and scalability, data management, I/O management, reliability at scale, and application scalability. We welcome paper submissions on all theoretical, simulations, and systems topics related to MTC, but we give special consideration to papers addressing petascale to exascale challenges. Papers will be peer-reviewed, and accepted papers will be published in the workshop proceedings as part of the ACM digital library (pending approval). The workshop will be co-located with the IEEE/ACM Supercomputing 2013 Conference in Denver Colorado on November 18th, 2013.

We invite the submission of original work that is related to the topics below. The papers should be 6 pages, including all figures and references. We aim to cover topics related to Many-Task Computing on each of the three major distributed systems paradigms, Cloud Computing, Grid Computing and Supercomputing. Topics of interest include:

- **Compute Resource Management**
- **Storage architectures and implementations**
- **Programming models and tools**
- **Large-Scale Workflow Systems**
- **Large-Scale Many-Task Applications**
- **Performance evaluation**
- **Petascale and Exascale Computing**

Important Dates

Abstracts Due: September 8th, 2013

Papers Due: September 15th, 2013

Notification of Acceptance: October 13th, 2013

Camera Ready Papers Due: November 10th, 2013

Workshop Date: November 17th, 2013

Web Site: <http://datasys.cs.iit.edu/events/MTAGS13/>

Submission Site:

<https://cmt.research.microsoft.com/MTAGS2013/>

Contact Chairs: mtags13-chairs@datasys.cs.iit.edu



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