ACM MTAGS 2013

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ACM MTAGS 2013
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Many-Task Computing on Google Scholar

Many-Task Computing

Illinois Institute of Technology
Distributed Systems
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Performance analysis of cloud computing services for many-tasks scientific computing A Iosup, S Ostermann, MN Yigitbasi, R Prodan, T Fahringer, DHJ Epema Parallel and Distributed Systems, IEEE Transactions on 22 (6), 931-945	232	2011
Many-task computing for grids and supercomputers I Raicu, IT Foster, Y Zhao Many-Task Computing on Grids and Supercomputers, 2008. MTAGS 2008. Workshop ...	164	2008
Exploiting Dynamic Resource Allocation for Efficient Parallel Data Processing in the Cloud D Warneke, O Kao Parallel and Distributed Systems, IEEE Transactions on 22 (6), 985-997	79	2011
Nephele: efficient parallel data processing in the cloud D Warneke, O Kao	70	2009

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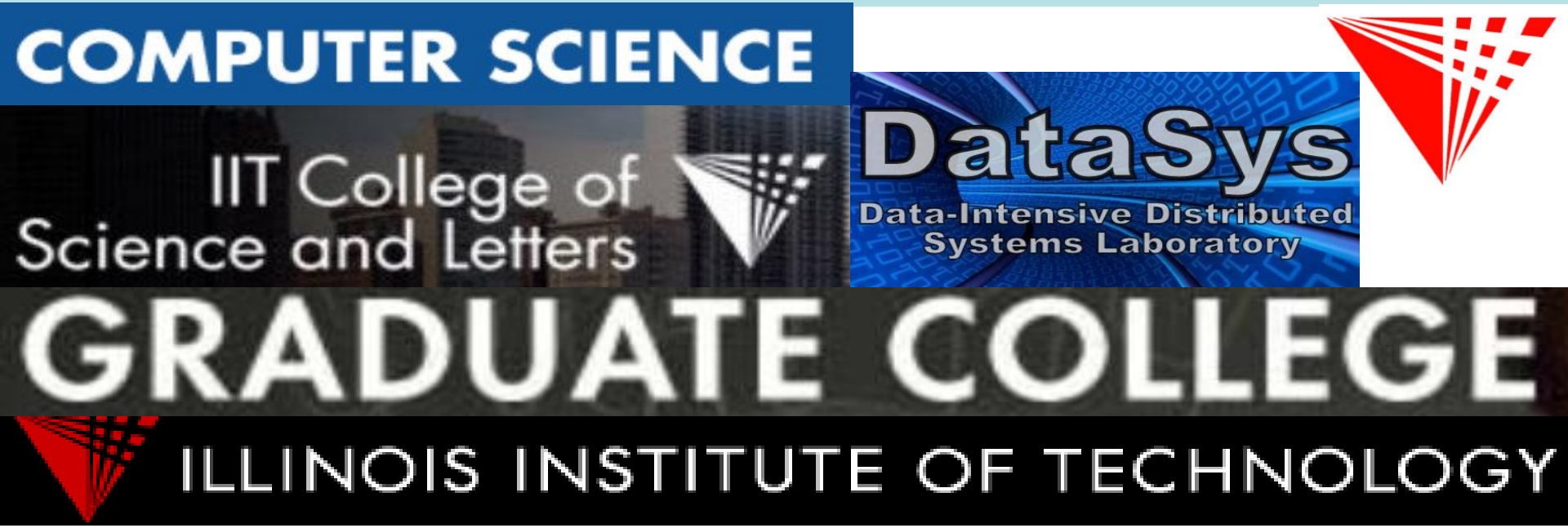

IEEE/ACM CCGrid 2014
Chicago, IL – May26-29, 2014

http://datasys.cs.iit.edu/events/CCGrid2014/

Rapid advances in architectures, networks, and systems and middleware technologies are leading to new concepts and platforms for computing, ranging from Clusters and Grids to Clouds and Datacenters. The 14th Annual IEEE/ACM International Symposium in Cluster, Cloud, and Grid Computing (CCGrid 2014) is a forum bringing together international researchers, developers, and practitioners to present leading research activities and results on a broad range of topics related to these concepts and platforms, and their applications. The conference features keynotes, technical presentations, workshops, tutorials, and posters, as well as the SCALE challenge featuring live demonstrations.

In 2014, CCGrid will return to the USA and be held in Chicago, the third largest city in the United States. The main conference will be held on May 27-29, 2014, with tutorials and affiliated workshops taking place on May 26, 2014.

IMPORTANT DATES

Papers Due:	11:59PM, 18 November 2013 Anywhere on Earth
Author Notifications:	24 January 2014
Camera Ready Papers Due:	17 February 2014

ACM HPDC 2014

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ACM Symposium on High-Performance Parallel and Distributed Computing

Welcome to HPDC'14

The ACM International Symposium on High-Performance Parallel and Distributed Computing (HPDC) is the premier annual conference for presenting the latest research on the design, implementation, evaluation, and the use of parallel and distributed systems for high-end computing.

The 23rd HPDC will take place in the beautiful city of **Vancouver, Canada** in **June 23-27, 2014**.

Journal Special Issue in IEEE TCC on Scientific Cloud Computing

IEEE Transactions on Cloud Computing

Special Issue on Scientific Cloud Computing

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Guest Editors

Kate Keahey	Argonne National Laboratory
Ioan Raicu	Illinois Institute of Technology
Kyle Chard	University of Chicago
Bogdan Nicolae	IBM Research




Computational and Data-Driven Sciences have become the third and fourth pillar of scientific discovery in addition to experimental and theoretical sciences. Scientific Computing has already begun to change how science is done, enabling scientific breakthroughs through new kinds of experiments that would have been impossible only a decade ago. It is the key to solving "grand challenges" in many domains and providing breakthroughs in new knowledge, and it comes in many shapes and forms: high-performance computing (HPC) which is heavily focused on compute-intensive applications; high-throughput computing (HTC) which focuses on using many computing resources over long periods of time to accomplish its computational tasks; many-task computing (MTC) which aims to bridge the gap between HPC and HTC by focusing on using many resources over short periods of time; and data -intensive computing which is heavily focused on data distribution, data-

Science and Scientific Workflows: Putting Workflows to Work

- Birds of a Feather: Tuesday 5:30-7:00 pm
- Featuring: Birds on the Hot Seat (BOTHS)
- http://sc13.supercomputing.org/schedule/event_detail.php?evid=bof193
  - Just google “SC13 Workflow BOF”
- Agenda: https://sites.google.com/site/sc13workflowbof/home

More Information

- MTAGS 2013 Website:
  - http://datasys.cs.iit.edu/events/MTAGS13/
- Prize giveaway (win an Google Nexus 7):
  - http://datasys.cs.iit.edu/events/MTAGS13/prize.html
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