ACM MTAGS 2013

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

http://datasys.cs.iit.edu/events/MTAGS13/
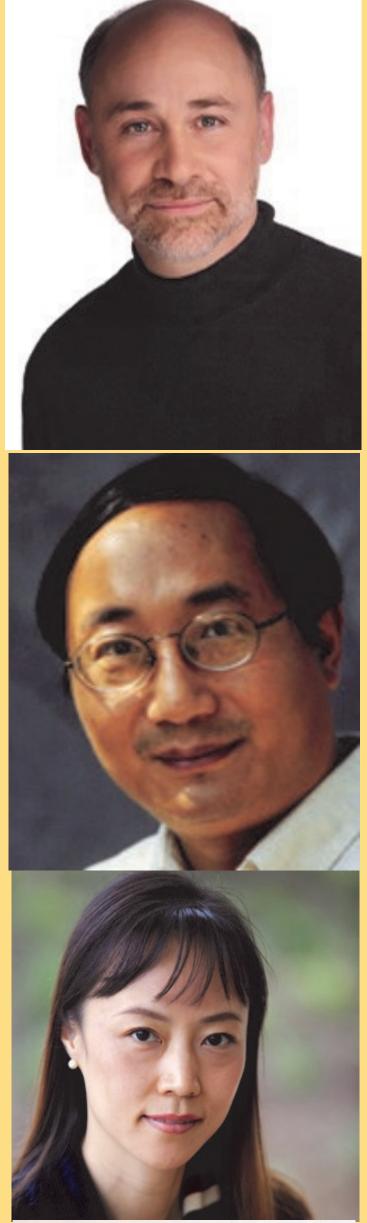
Keynote

Douglas Thain
Associate Professor
Cooperative Computing Lab
Computer Science and Engineering
University of Notre Dame

Panel:
Many-Task Computing meets Big Data

Robert Grossman
Professor
Chief Research Informatics Officer
Director of the Initiative in Data Intensive Science
Computation Institute
Division of Biological Sciences
University of Chicago

Xian-He Sun
Professor
Chair of the Department of Computer Science
Illinois Institute of Technology
IEEE fellow

Judy Qiu
Assistant Professor
School of Informatics and Computing
Indiana University

Alexandru Iosup
Assistant Professor
Parallel and Distributed Systems Group
Engineering, Mathematics, and Computer Science
Technology University of Delft

Time	Title	Authors	Affiliation
9:00AM	*Opening Statements*	Ioan Raicu / Justin Wozniak	IIT/ANL / UChicago/ANL
9:10AM	*Keynote:* Robustness, Performance, and Usability in Highly Concurrent Applications	Doug Thain	Notre Dame
10:10AM	*Break*		
	Session I -- Chair Zhao Zhang, UChicago		
10:30AM	*Invited Paper:* On Many-Task Big Data Processing: From GPUs to Clouds	Ana L. Varbanescu / Alexandru Iosup	UAmsterdam / Delft
11:00AM	HTCaaS: Leveraging Distributed Supercomputing Infrastructures for Large-Scale Scientific Computing	Jik-Soo Kim / Seungwoo Rho / Seoyoung Kim / Sangwan Kim / Seokkyoo Kim / Soonwook Hwang	KISTI
11:30AM	*Best Paper Nominee:* Exploring the Use of Elastic Resource Federations for Enabling Large-Scale Scientific Workflows	Javier Diaz-Montes / Yu Xie / Ivan Rodero / Jaroslaw Zola / Baskar G. / Manish Parashar	Rutgers / IowaState
12:00PM	*Lunch*		
	Session II -- Chair Alex Iosup, TUDelft		
1:30PM	*Best Paper Nominee:* Application Skeletons: Encapsulating MTC Application Task Computation and I/O	Zhao Zhang / Daniel Katz	UChicago
2:00PM	FPGA-Based Prototype of Nexus++ Task Manager	Tamer Dallou / Ahmed Elhossini / Ben Juurlink	TU-Berlin
2:30PM	Enhancing ESnet's Unicast-Only OSCARS with a Manycast Overlay Service	Jeremy Plante / Vinod Vokkarane	UMass Lowell
3:00PM	*Break*		
	Session III -- Chair Ioan Raicu, IIT		
3:30PM	*Invited Paper:* Social Media Data Analysis with IndexedHBase and Iterative MapReduce	Xiaoming Gao / Judy Qiu	IU
4:00PM	*Panel* Many-Task Computing meets Big Data	Bob Grossman / Xian-He Sun / Judy Qiu / Alexandru Iosup	UChicago / IIT / IU / TUDelft
5:15PM	*Best Paper Award* Attendee Prize Giveaway (Google Nexus 7) *Closing Statements*	Ioan Raicu / Justin Wozniak	IIT/ANL / UChicago/ANL

Organizers

Ioan Raicu
DataSys Laboratory
Computer Science Department
Illinois Institute of Technology
Math and Computer Science Div.
Argonne National Laboratory

Yong Zhao
School of Computer Science and Engineering
University of Electronic Science and Technology of China

Ian T. Foster
Distributed Systems Laboratory
Computer Science Department
Computation Institute
University of Chicago
Math and Computer Science Div.
Argonne National Laboratory

Justin Wozniak
Computation Institute
University of Chicago
Math and Computer Science Div.
Argonne National Laboratory

Sponsors

COMPUTER SCIENCE
IIT College of Science and Letters
DataSys Data-Intensive Distributed Systems Laboratory
GRADUATE COLLEGE
ILLINOIS INSTITUTE OF TECHNOLOGY
Argonne NATIONAL LABORATORY
THE UNIVERSITY OF CHICAGO