

# MTAGS 2011


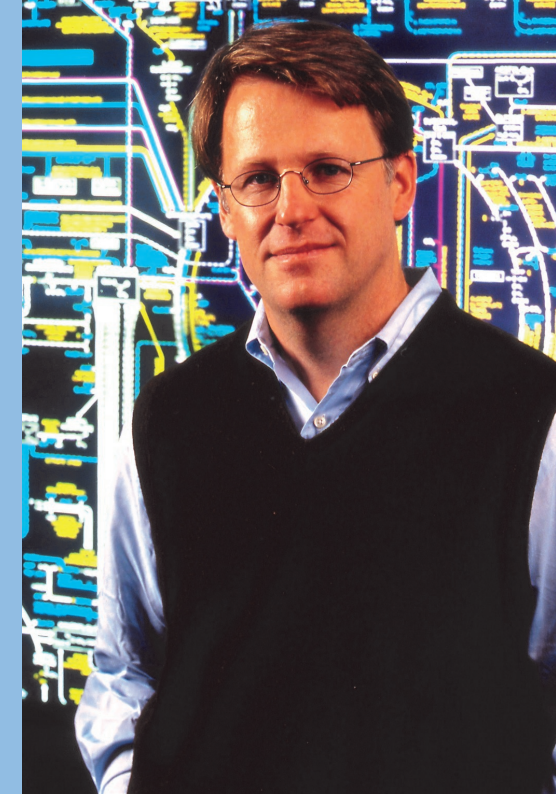
4th ACM Workshop on Many-Task Computing on Grids and Supercomputers

<http://datasys.cs.iit.edu/events/MTAGS11/>

## Keynote & Panelists

 <p><b>David Abramson</b> Computer Science Monash e-Research Centre Monash University Australia</p>	 <p><b>Dan Reed</b> Corporate Vice President Technology Strategy and Policy and Extreme Computing Microsoft Research</p>	 <p><b>Jack Dongarra</b> Computer Science Department University of Tennessee Computer Science and Math. Div. Oak Ridge National Laboratory</p>	 <p><b>Daniel S. Katz</b> Computation Institute University of Chicago Math and Computer Science Div. Argonne National Laboratory</p>
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Time	Topic	Authors/Speakers	Affiliation
10:00AM	Introduction from the Chairs	Ioan Raicu Yong Zhao	Illinois Institute of Technology & Argonne National Lab. University of Electronic Science and Technology of China
10:10AM	<b>Keynote:</b> <b>Mixing Cloud and Grid Resources for Many Task Computing</b>	David Abramson	Monash University
11:00AM	<b>Panel:</b> <b>Many-Task Computing meets Exascales</b>	Dan Reed David Abramson Jack Dongarra Daniel S. Katz	Microsoft Research Monash University University of Tennessee & Oak Ridge National Laboratory University of Chicago & Argonne National Laboratory
12:00PM	Lunch		
1:30PM	<b>Parallel High-resolution Climate Data Analysis using Swift Best Paper Award Finalist</b>	Matthew Woitaszek John Dennis Taleena Sines	UCAR UCAR Frostburg State University
2:00PM	<b>A Dependency-Driven Formulation of Parareal: Parallel-in-Time Solution of PDEs as a Many-Task Application</b> Best Paper Award Finalist	Wael Elwasif Samantha Foley David Bernholdt Lee Berry D. Samaddar David Newman Raul Sanchez	Oak Ridge National Laboratory Oak Ridge National Laboratory Oak Ridge National Laboratory Oak Ridge National Laboratory ITER Organization University of Alaska, Fairbanks Universidad Carlos III de Madrid
2:30PM	<b>Design and Implementation of 'Many Parallel Task' Hybrid Sub-surface Model</b>	Khushbu Agarwal Jared chase Karen Schuchardt Timothy Scheibe Bruce Palmer Todd Elsethagen	Pacific Northwest National Lab Pacific Northwest National Lab Pacific Northwest National Lab Pacific Northwest National Lab Pacific Northwest National Lab Pacific Northwest National Lab
3:00PM	<b>High Performance Matrix Inversion Based on LU Factorization for Multicore Architectures</b>	Jack Dongarra Mathieu Faverge Hatem Ltaief Piotr Luszczek	University of Tennessee ICL KAUST Supercomputing Lab University of Tennessee
3:30PM	Break		
4:00PM	<b>Toward Scalable I/O Architecture for Exascale Systems</b>	Yong Chen	Texas Tech University
4:30PM	<b>MATE-EC2: A Middleware for Processing Data with AWS</b> Invited Paper	Tekin Bicer David Chiu Gagan Agrawal	The Ohio State University Washington State University The Ohio State University
5:00PM	<b>Riding the Elephant: Managing Ensembles with Hadoop</b>	Elif Dede Madhusudan Govindaraju Dan Gunter Lavanya Ramakrishnan	SUNY Binghamton SUNY Binghamton Lawrence Berkeley National Lab Lawrence Berkeley National Lab
5:30PM	Best Paper Award Attendee Prize Giveaway -- Win an Apple iPad 2 Tablet Register at <a href="http://datasys.cs.iit.edu/events/MTAGS11/prize.html">http://datasys.cs.iit.edu/events/MTAGS11/prize.html</a>	Ioan Raicu Yong Zhao	Illinois Institute of Technology & Argonne National Lab. University of Electronic Science and Technology of China

 <p><b>Ioan Raicu</b> DataSys Laboratory Computer Science Department Illinois Institute of Technology Math and Computer Science Div. Argonne National Laboratory</p>	 <p><b>Yong Zhao</b> School of Computer Science and Engineering University of Electronic Science and Technology of China</p>	 <p><b>Ian T. Foster</b> Distributed Systems Laboratory Computer Science Department Computation Institute University of Chicago Math and Computer Science Div. Argonne National Laboratory</p>
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<b>Sponsors</b>	 <p><b>COMPUTER SCIENCE</b> GRADUATE COLLEGE ILLINOIS INSTITUTE OF TECHNOLOGY</p>	 <p><b>DataSys</b> Data-Intensive Distributed Systems Laboratory</p>	 <p><b>Argonne</b> NATIONAL LABORATORY</p>	 <p><b>THE UNIVERSITY OF CHICAGO</b></p>
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