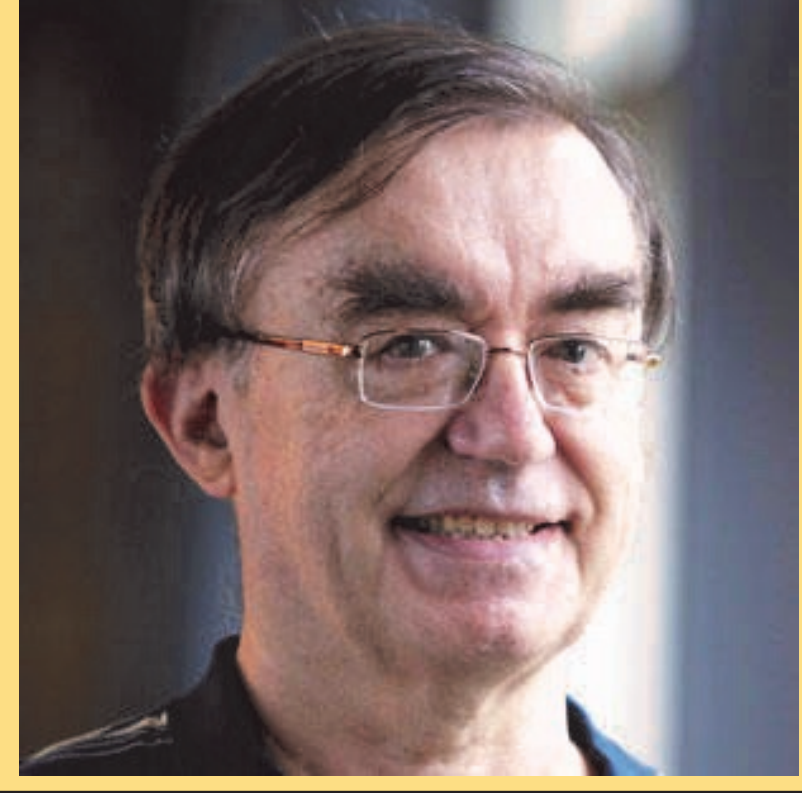


# DataCloud-SC11

2nd International ACM Workshop on Data Intensive Computing in the Clouds 2011

<http://datasys.cs.iit.edu/events/DataCloud-SC11/>

## Keynote: Data Intensive Applications on Clouds




### Geoffrey Fox


Dr. Geoffrey Fox received a Ph.D. in Theoretical Physics from Cambridge University and is now distinguished professor of Informatics and Computing, and Physics at Indiana University where he is director of the Digital Science Center and Associate Dean for Research and Graduate Studies at the School of Informatics and Computing. He previously held positions at Caltech, Syracuse University and Florida State University. He has supervised the PhD of 62 students and published over 600 papers in physics and computer science. He currently works in applying computer science to Bioinformatics, Defense, Earthquake and Ice-sheet Science, Particle Physics and Chemical Informatics. He is principal investigator of FutureGrid – a new facility to enable development of new approaches to computing. He is involved in several projects to enhance the capabilities of Minority Serving Institutions.

Time	Topic	Authors/Speakers	Affiliation
9:00AM	Introduction from the Chairs	Ioan Raicu Tevfik Kosar Roger Barga	Illinois Institute of Technology & Argonne National Lab. University at Buffalo Microsoft Research
9:10AM	<b>Keynote: Data Intensive Applications on Clouds</b>	Geoffrey Fox	Indiana University
10:00AM	Break		
10:30AM	<b>Evaluating the suitability of MapReduce for surface temperature analysis codes</b>	Vinay Sudhakaran Neil Chue Hong	University of Edinburgh University of Edinburgh
11:00AM	<b>Efficient Processing of RDF Graph Pattern Matching on Map Reduce Platforms</b>	Padmashree Ravindra Seokyong Hong HyeongSik Kim Kemafor Anyanwu	North Carolina State University North Carolina State University North Carolina State University North Carolina State University
11:30AM	<b>Dynamic Split Model of Resource Utilization in MapReduce</b>	Xiaowei Wang Jie Zhang Huaming Liao Li Zha	Chinese Academy of Sciences Chinese Academy of Sciences Chinese Academy of Sciences Chinese Academy of Sciences
12:00PM	Lunch		
1:30PM	<b>Designing a Secure Storage Repository for Sharing Scientific Datasets using Public Clouds</b>	Alok Gautam Kumbhare Yogesh Simmhan Viktor Prasanna	Univ. of Southern California Univ. of Southern California Univ. of Southern California
2:00PM	<b>OAuth and ABE based Authorization in Semi-Trusted Cloud Computing</b>	Anuchart Tassanaviboon Guang Gong	University of Waterloo University of Waterloo
2:30PM	<b>Describing Cloud Usage with Excess Entropy</b>	Charles Loboz	Microsoft
3:00PM	<b>Design Patterns for Scientific Applications in DryadLINQ CTP</b>	Hui Li Yang Ruan Yuduo Zhou Judy Qiu Geoffrey Fox	Indiana University Bloomington Indiana University Bloomington Indiana University Bloomington Indiana University Bloomington Indiana University Bloomington
3:30PM	Break		
4:00PM	<b>I/O Performance of Virtualized Cloud Environments (Slides)</b> Best Paper Award Finalist	Devarshi Ghoshal Richard Canon Lavanya Ramakrishnan	Indiana University, Bloomington Lawrence Berkeley National Lab. Lawrence Berkeley National Lab.
4:30PM	<b>Performance Evaluation of Scheduling Algorithms for Database Services with Soft and Hard SLAs</b> Best Paper Award Finalist	Hyun Moon Yun Chi Hakan Hacigumus	NEC Labs America NEC Labs America NEC Labs America
5:00PM	Best Paper Award Attendee Prize Giveaway -- Win an Amazon Kindle Fire Tablet Register at <a href="http://datasys.cs.iit.edu/events/DataCloud-SC11/prize.html">http://datasys.cs.iit.edu/events/DataCloud-SC11/prize.html</a>	Ioan Raicu Tevfik Kosar Roger Barga	Illinois Institute of Technology & Argonne National Lab. University at Buffalo Microsoft Research


## Organizers



**Ioan Raicu**  
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**Roger Barga**  
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eXtreme Computing Group (XCG)  
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