



First Workshop on

## Understanding Climate Change from Data

August 15-16, 2011 | University of Minnesota, Minneapolis, MN

Workshop Website:  
[climatechange.cs.umn.edu/annual.php](http://climatechange.cs.umn.edu/annual.php)

### Overview

Climate and earth sciences have experienced a rapid transformation from a data-poor to a data-rich environment. In particular, climate related observations from remote sensors on satellites and weather radars, in situ sensors and sensor networks, as well as outputs of climate or Earth system models from large-scale computational platforms, provide terabytes of spatio-temporal data. In addition, the rapid growth of geographical information systems leads to the availability of multi-source data. These massive and information-rich datasets offer huge potential for advancing the science of climate change and impacts.

This workshop will bring together researchers who are advancing computational and data analysis methods necessary for addressing the key challenges in climate change science. A major focus of the workshop is on computational data science tools that can extract the predictive insights from climate data and capture the complex dependence structures among climate variables.

The workshop will be held at the University of Minnesota in Minneapolis. The program will include invited talks by leading experts in the field, panel discussions, and poster sessions. Additional details will be posted on the workshop website as they become available.

### Call for Participation

If you are interested in presenting your research, please send a short abstract (150-250 words) to [uccws@umn.edu](mailto:uccws@umn.edu) with subject line "UCC11 Workshop Abstract Submission" as soon as possible but no later than July 21, 2011. Limited travel support will be available for students and postdocs.

For details including a list of invited speakers, participants, program and travel arrangements please visit the workshop website at [climatechange.cs.umn.edu/annual.php](http://climatechange.cs.umn.edu/annual.php)

### Workshop Organizers

Arindam Banerjee, Shyam Boriah, Snigdhanu Chatterjee, Alok Choudhary, Jon Foley, Auroop Ganguly, Abdollah Homaifar, Joseph Knight, Vipin Kumar, Wei-keng Liao, Stefan Liess, Nagiza Samatova, Fredrick Semazzi, Shashi Shekhar, Peter Snyder, Michael Steinbach, Karsten Steinhaeuser

### Program Contact

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### Local Arrangements

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