

**2nd GRACE Hydrology Workshop  
Austin, Texas    November 4, 2009**

Agenda

8:30      Registration and Coffee

9:00      Introduction to Workshop and Goals

**1. Hydrological Science Supported by GRACE**

9:10      Jay Famiglietti, "Terrestrial and Global Hydrology from GRACE: Opportunities and Challenges" (Invited)

9:30      Huilin Gao, "Applications of GRACE data in understanding the water budget over U.S. river basins"

9:50      Jianliang Huang, "Detecting groundwater storage change within the Great Lakes Water Basin using GRACE"

10:10     Hua Su, "Multi-sensor Snow Data Assimilation at Continental Scale: the Value of GRACE TWS Information"

10:30     Break

10:50     Jean-Paul Boy, "New results from the GHYRAF (Gravity and Hydrology in Africa) experiment in relation to the use of ground and space geodesy to constrain water storage changes"

11:10     Shin-Chan Han, "Analysis of large-scale water storage observations over the Amazon and its vicinity from GRACE"

11:30     Hyungjun Kim, "Incorporating GRACE observations into hydrological modeling using Bayesian model averaging to investigate fluvial transport in Amazon"

11:50     W. Timothy Liu, "Applications of GRACE data with atmospheric moisture advection"

12:10     Jianli Chen, "Long-Term Water Storage Variability and Climate Change from GRACE"

12:30     Lunch

## **2. Practical Hydrological Applications of GRACE**

- 1:30 Matt Rodell, "The Potential Value of GRACE for Water Resources Applications"
- 1:50 Rasmus Houborg, "Towards integrating GRACE terrestrial water storage data into the U.S. and North American Drought Monitors"

## **3. GRACE-Hydrology Data Products and Issues**

- 2:10 Peter L. Bender, "Speculations on the Atmosphere-Hydrology Separation Problem at Short Wavelengths"
- 2:30 Laurent Longuevergne, "Bias and Leakage corrections for GRACE Level-3 data users"
- 2:50 Sean Swenson, "A Note on Filtering & the University of Colorado GRACE Data Analysis Website" (Invited)
- 3:20 Break and Poster Viewing
- 3:50 Steve Klosko, "GRACE Hydrology Products from GSFC" (Invited)
- 4:10 Himanshu Save, "Quick-Look Gravity Solutions from GRACE" (Invited)
- 4:30 Don Chambers, "Overview of GRACE Products for Hydrology at the GRACE Tellus Web-site" (Invited)
- 4:50 ALL: Discussion on Improving GRACE Products for Hydrology
- 5:30 Adjourn

### Posters

Fengge Su, "Arctic terrestrial water storage changes from GRACE estimates and a land surface hydrology model"

J. Y. Guo, "Reduction of land-ocean mass change signal leakage caused by Gaussian smoothing"

Mark Fountain, "GRACE & Satellite Based Water Monitoring: Potentially Supporting Sustainable Microalgae Cultivation for Green Energy & Greenhouse Gas CO<sub>2</sub> Sequestration"