



## The NASA Surface Water Working Group

Agenda for the March 23<sup>rd</sup> Meeting of the  
NASA Surface Water Working Group  
National Academies Beckman Center, Irvine, CA  
100 Academy, Irvine CA 92612  
Tel: (949) 721-2200 Fax: (949) 721-2288  
[www.nas.edu/beckman](http://www.nas.edu/beckman)

**Meeting Host:** Doug Alsdorf, Email: [alsdorf@geog.ucla.edu](mailto:alsdorf@geog.ucla.edu) Tel: 310-794-4987

**Meeting Date:** March 23<sup>rd</sup> at the Beckman Center in Irvine, California. Please visit the Beckman Center's web page ([www.nas.edu/beckman](http://www.nas.edu/beckman)) for more information about the Center, nearby hotels, air and ground travel, directions, and other related logistical information (note: the Beckman Center is immediately adjacent to UC Irvine's campus). Also, feel free to call or email Doug Alsdorf ([alsdorf@geog.ucla.edu](mailto:alsdorf@geog.ucla.edu)) or Jay Famiglietti ([jfamigli@uci.edu](mailto:jfamigli@uci.edu)) and we will be pleased to assist you. Our SWWG meeting immediately follows a GRACE hydrology meeting on March 22<sup>nd</sup> hosted by Jay. Both meetings will start in the morning and continue throughout the entire day.

**Meeting Goals:** With our science well established, it is time to focus on the technological requirements of an ESSP class mission (Earth System Science Pathfinder). Given the strength of our science and the strong heritage of altimetry, we believe we are now ready to submit a step one ESSP proposal to the call later this year. Therefore, our meeting on the 23<sup>rd</sup> will focus on radar and lidar altimetry technology. More details regarding these thoughts are provided in the letter "Technology for March Meeting" which is attached to this mailing and available on the SWWG web page by clicking on the "letters" button, [www.swa.com/hydrawg](http://www.swa.com/hydrawg).

**Meeting Schedule:** The following people plan to attend our meeting and have agreed to present their thoughts, however the schedule will remain fluid and may be altered during the meeting regarding times and titles. Please plan to attend for the entire day and feel very free to contact me (Doug Alsdorf) with modifications.

8:30 – 9:30 AM: Welcome and Goals for Today's Meeting: *Doug Alsdorf*  
Introduction to the NASA Surface Water Working Group: *Doug Alsdorf*  
Latest GRACE Information: *Jay Famiglietti*  
Updates from NASA HQ: ~~*Jared Entin, John LaBrecque*~~; *Unfortunately Jared and John will not be able to join us, however I am arranging for HQ related information to be briefly discussed.*

9:30 – 10:30: Presentations by NASA JPL Researchers;  
*Ernesto Rodriguez, Delwyn Moller, Phil Callahan, and Yunjin Kim*  
“Radar Designs and Performance for A Surface Water ESSP Mission, tradeoffs  
between complexity and performance”

10:30 – 11:00: Break

11:00 – 12:00: Presentations by Johns Hopkins APL Researchers  
*Keith Raney*, “Enhanced Delay Doppler Methodology for High Spatial  
Resolution and Potential Trade-Offs of a Combined SWWG-ABYSS Mission”

12:00 – 1:30: Lunch provided for meeting attendees at the Beckman Center

1:30 – 2:30 PM: Presentations by NASA GSFC Researchers  
*Peter Hildebrand*: Radar Altimetry and Imagery  
*Paul Houser*, Insights from the HYDROS Experience

2:30 – 3:30: Presentations by ICESat GLAS Team:  
*Bob Schutz, Dave Harding, and Jim Abshire*: Title is TBD but will include Lidar  
Altimetry, GLAS measurements over the Mississippi, implications for cloud cover,  
and off-nadir returns.

3:30 – 3:45: Break

3:45 – 5:00: Discussion