



ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE

1801 Alexander Bell Drive
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Hydraulic Measurements and Experimental Methods 2017 Conference Invitation:

The organizing committee for the Hydraulic Measurements and Experimental Methods 2017 Conference (HMEM 2017) is excited to invite you to the leading international conference on the development of new techniques for collecting, processing, and interpreting hydraulic data. Attending this conference will put you in touch with recent developments in the rapidly developing fields of hydraulic measurements and research. You will interact with academics, research scientists, and practitioners who collect and manage a wide variety of water resources data. There will be opportunities to share your recent work and to hear from experts in many specialized areas of hydraulics.

Our keynote speaker, Dr. Merrick Haller (Oregon State University), will kick off the conference with a plenary discussion of the use of radar remote sensing for the analysis of estuarine / riverine fronts and tidal jets. Later in the conference, we are fortunate to have the honor of hosting the Hunter Rouse Hydraulic Engineering Award lecture.

Dr. Robert Wells of the USDA-ARS-National Sedimentation Laboratory and Dr. Henrique Momm of Middle Tennessee State University will lead an 8 hour workshop entitled "Philosophy, concepts, and techniques for drone surveys of terrain." The workshop will include discussion of uses of small flying vehicles for obtaining photographic terrain data, issues surrounding deployment, and procedures for data analysis including establishment of ground truth and assessment of data quality. Dr.

Wells and Dr. Momm both have extensive practical experience in the use of drones and photogrammetry for collection and quantification of topographic data.

The Technical Tour will include a visit to [Hubbard Brook Experimental Forest](#), which is one of the longest-operated experimental watershed study sites in the United States. Hubbard Brook is where acid rain was discovered and now features a variety of research efforts, including simulated ice storms. A second stop will allow participants to view the Suncook River in Epsom, New Hampshire, which experienced a large avulsion in 2006 and is still undergoing substantial adjustment and erosion.

We are excited to announce that a subset of the authors who present at the conference will be invited to expand their extended abstracts into full-length papers and submit them for a peer-reviewed special issue of the Journal of Hydraulic Engineering. This will provide the possibility of sharing your work with a worldwide audience while enhancing its exposure by grouping it with other selected papers from the conference.

As with previous editions of the HMEM conference we have selected a venue that lends itself not only to insightful technical discussions, but to outdoor activities, recreational opportunities, and family participation as well. The University of New Hampshire is a world-class public research land, sea, and space-grant university. Located just ten miles from the scenic, historic, and cultural coastal town of Portsmouth, New Hampshire, the main campus in Durham features an ocean engineering laboratory, stormwater research center, aquaculture and hydropower testing facilities, and the world's largest boundary-layer wind tunnel facility. Sandy ocean beaches, crystal-clear lakes, and breath-taking mountain vistas lie nearby.

Please join us at the University of New Hampshire for a rewarding conference in an exciting location. The HMEM conference is held only once every five years, so don't miss this opportunity!