Water Management Workshop

Sponsored by

NOAA Climate Program Office Sectoral Applications Research Program (SARP)
NSF CyberSEES (Cyber-Innovation for Sustainability Science and Engineering) Program
UTA College of Engineering Department of Civil Engineering
UTA Urban Water Institute

Dates: June 6, 2017

Location: Nedderman Hall (NH) Rady Room (601), 416 S. Yates St, Arlington, TX
Location map  http://www.uta.edu/maps/index.php?id=37
Parking: Lot 36, 35 or 34 on the map (student section only)
There are no registration fees. Coffee, pastry and lunch will be served.

Goals

- Identify the needs for predictive water information for operation and management of reservoirs and water systems and for flood control and water-related hazard mitigation.
- Share advances, successes and best practices in water forecasting and management, and inform the community of available products, services, tools, and resources.
- Discuss and plan how best to address the needs through coordinated efforts and innovation.

Agenda

June 6, 2017 (Tue) – NH 601 (Rady Room)

8:00-8:30 am  Coffee & pastries

8:30-8:40 pm  Welcome and Introduction
- Welcoming remarks – Dr. Ali Abolmaali, Chair, Dept. of Civil Eng., UTA
- Background and goals - Dr. D-J. Seo, Dept. of Civil Eng., UTA

8:40-10:25pm  Session 1.
- NWS hydrologic operations, products and services - Kris Lander, NWS/WGRFC (15 min)
- USACE water resources operations products and services - Jerry Cotter, USACE (15 min)
- NWS Hydrologic Ensemble Forecast Service (HEFS) - Ernie Wells, NWS/HQ (15 min)
- DWU water supply operations and needs – Denis Qualls, DWU (15 min)
- TRWD future water supply initiatives - Laura Blaylock, TRWD (15 min)
• City of Grand Prairie flood operations and needs - Stephanie Griffin, City of Grand Prairie (15 min)
• Discussion – Facilitator Kris Lander (15 min)

10:25-10:40 am  Break

10:40-Noon  Session 2.
• NTMWD water supply operations and needs – Galen Roberts, NTMWD (15 min)
• UTRWD water supply operations and needs – Blake Alldredge, UTRWD (15 min)
• TRA operations and needs - Glenn Clingenpeel, TRA (15 min)
• Advances in operational water forecasting - Edwin Welles, Deltares USA (15 min)
• Discussion – Facilitator Nick Fang (20 min)

Noon-1:00 pm  Lunch

1:00-2:20 am  Session 3.
• City of Dallas flood operations and needs – Susan Alvarez, City of Dallas (15 min)
• City of Arlington flood operations and needs – Mandy Clark, City of Arlington (15 min)
• City of Fort Worth flood operations and needs - Chris Johnson, City of Fort Worth (15 min)
• Regional coordination and needs - Edith Marvin, NCTCOG (15 min)
• Discussion – Facilitator Edith Marvin (20 min)

2:20-3:00 pm  Break

3:00-4:20 pm  Session 4.
• Brazos River Authority operations and needs – Brad Brunett, BRA (15 min)
• Lower Colorado River Authority operations and opportunities - Ron Anderson, LCRA (15 min)
• The Southern Climate Impacts Planning Program – Margret Boone, NOAA RISA (15 min)
• Water Research at UTA, Water Resources faculty, UTA (15 min)
  o  Research Activities – Dr. Habib Ahmari
  o  MavAir UAV Applications – Dr. Nick Fang
  o  Research Highlight – Dr. Yu Zhang
• Discussion – Facilitator Yu Zhang (20 min)

4:20-4:50 pm  Discussion

-  Adjourn -