

Sponsored by the Cynthia and George Mitchell Family Foundation
Additional support provided by the City of Austin

Texas Water Research Network

September 13-14, 2018

The University of Texas at Austin ■ Main Campus

Meeting goals:

- Provide a setting for new and existing members to network
- Provide learning opportunities on key issues in Texas water resources
- Promote effective interactions between researchers and stakeholders

Thursday, September 13, 2018 – Avaya Auditorium, Peter O'Donnell Building (POB) 2.302

12:00 PM **Lunch** (POB 2.402)

12:30 PM **Welcome**

- Jay Banner, University of Texas at Austin

12:45 PM **Critical topics of the next legislative session**

- Ken Kramer, Sierra Club Chapter Director (retired)

1:00 PM **Panel: Water Infrastructure challenges faced by small municipalities**

- Growing and Changing Demands on Blanco's Water Infrastructure (Martha Herden, Mayor, Blanco)
- Water Resilience for the Second Fastest Growing City in the Country (Ian Taylor, CEO New Braunfels Utilities)
- Developing a Regional Water Supply from Scratch (Graham Moore, Alliance Regional Water Authority)

2:30 PM **Coffee Break** (POB 2.402)

3:00 PM **Water infrastructure challenges faced by rural communities**

- Trent Hightower, Texas Rural Water Association

3:45 PM **Groundwater resilience – perspective from GCDs**

- Brian Smith, Barton Springs Edwards Aquifer Conservation District

Facilitating Collaborative Groundwater Research in South-central Texas: Integrating GCD

4:15 PM **Perspectives to Address Multi-Aquifer Challenges**

- Marcus Gary, Edwards Aquifer Authority

5:00 PM **Reception** – POB 6.102

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Friday, September 14, 2018, Thompson Conference Center Auditorium (Room 1.110)

8:00 AM **Breakfast**

8:30 AM **Markets for Water – Time to Deliver on the Promise for Texas**

- David Yoskowitz, Harte Research Institute, Texas A&M Corpus Christi

9:00 AM **Economic Valuation of Groundwater in Texas**

- Gabe Collins, Baker Institute, Rice University

9:30 AM **Current and Future Western US Water Markets**

- Sheila Olmstead, UT Austin

10:00 AM **Coffee Break** (Thompson Conference Center Lobby)

10:30 AM **Groundwater Transactions to Mitigate Extreme Events & Support Environmental Flows**

- Michelle Lapinski, Earth Genome

11:00 AM **Water Markets Panel Discussion**

- Moderated by Sharlene Leurig, The Meadows Center

11:45 AM **TWRN Social Network Analysis**

- Patrick Bixler, LBJ School of Public Affairs, UT Austin

12:00 PM **Lunch** (Thompson Conference Center Lobby)

1:00 PM **Atlas 14 (The old 500 yr event is the new 100 yr event) and Research Needs**

- John Nielsen-Gammon, Texas A&M

1:15 PM **State Flood Assessment**

- John Dupnik, Texas Water Development Board

2:00 PM **Coffee Break** (Thompson Conference Center Lobby)

Flooding challenges for large municipalities: Identifying research needs

- 2:30 PM
- Implications of Atlas 14 for the City of Austin (Kevin Shunk, City of Austin)
 - Houston's Flooding Challenges and Research Needs (Jamila Johnson, City of Houston)

3:30 PM **Flooding research advancements and needs**

- Flash flood forecasting (Jon Zeitler, National Weather Service, NOAA)
- Stormwater infrastructure and modeling: when both the models and landscape are overwhelmed (Ben Hodges, UT Austin)
- Equity in disaster recovery efforts, Sarah Labowitz, City of Houston

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4:30 PM **Challenges to collaborations between cities, universities, and other institutions**

Group discussion moderated by:

- Chris Herrington, City of Austin
 - Robert Mace, Meadows Center, Texas State University
 - Jay Banner, UT Austin
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5:30 PM **Reception** (Jackson Geological Sciences Building (JGB) – Holland Family Student Center)

6:00 PM **Hot Science Cool Talks - Cool Activities**

(JGB – Main floor hallways)

- Hands on activities to enable informal science learning for people of all ages
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7:00 PM **Hot Science Cool Talks – Hurricane Harvey: Flood Emergency Response**

(Student Activities Center (SAC) – Auditorium)

- David Maidment
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