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
• Andrew Sansom, Meadows Center

1:00 PM Panel: Water Infrastructure challenges faced by small municipalities
• Martha Herden, Mayor, Blanco
• Ian Taylor, CEO New Braunfels Utilities
• Gram Moore, Alliance Water – Regional Water Authority for cities of Kyle, San Marcos, and Buda

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

4:15 PM Facilitating Collaborative Groundwater Research in South-central Texas: Integrating GCD Perspectives to Address Multi-Aquifer Challenges
• Marcus Gary, Edwards Aquifer Authority

5:00 PM Reception – POB 6.102
# Texas Water Research Network  
**September 13-14, 2018**  
**The University of Texas at Austin • Main Campus**

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Breakfast</td>
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<tr>
<td>8:30 AM</td>
<td>Markets for Water – Time to Deliver on the Promise for Texas</td>
<td>David Yoskowitz, Harte Research Institute, Texas A&amp;M Corpus Christi</td>
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<tr>
<td>9:00 AM</td>
<td>Economic Valuation of Groundwater in Texas</td>
<td>Gabe Collins, Baker Institute, Rice University</td>
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<td>9:30 AM</td>
<td>Water Markets</td>
<td>Sheila Olmstead, UT Austin</td>
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<td>10:00 AM</td>
<td>Coffee Break (Thompson Conference Center Lobby)</td>
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<tr>
<td>10:30 AM</td>
<td>Groundwater Transactions to Mitigate Extreme Events &amp; Support Environmental Flows</td>
<td>Michelle Lapinski, Earth Genome</td>
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<tr>
<td>11:00 AM</td>
<td>Water Markets Panel Discussion</td>
<td>Moderated by Sharlene Leurig, The Meadows Center</td>
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<td>11:45 AM</td>
<td>TWRN Social Network Analysis</td>
<td>Patrick Bixler, LBJ School of Public Affairs, UT Austin</td>
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<tr>
<td>12:00 PM</td>
<td>Lunch (Thompson Conference Center Lobby)</td>
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<tr>
<td>1:00 PM</td>
<td>Atlas 14 (The old 500 yr event is the new 100 yr event) and Research Needs</td>
<td>John Nielsen-Gammon, Texas A&amp;M</td>
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<tr>
<td>1:15 PM</td>
<td>State Flood Assessment</td>
<td>John Dupnik, Texas Water Development Board</td>
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<tr>
<td>2:00 PM</td>
<td>Coffee Break (Thompson Conference Center Lobby)</td>
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| 2:30 PM | Flooding challenges for large municipalities: Identifying research needs | Kevin Shunk, City of Austin  
Jamila Johnson, City of Houston |
| 3:30 PM | Flooding research advancements and needs                               | Airborne radar and thermal imaging of flood inundation: examples from Harvey (Gordon Wells, Bureau of Economic Geology)  
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 |
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

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

7:00 PM  **Hot Science Cool Talks – Hurricane Harvey: Flood Emergency Response**  
(Student Activities Center (SAC) – Auditorium)  
  • David Maidment