

# AGENDA

## TWDB / TIFF Subsidence Workshop to Improve Statewide Data Collection and Sharing

Wednesday, September 7 | 8:30 am – 12 pm | Zoom Meeting

**8:30 AM**

### Welcome Overview

*John Dupnik, Deputy Executive Administrator, Water Science and Conservation, TWDB*

**8:35 AM**

### Intro to Session I – Presentations

*Anna Huff, TIFF Facilitator*

1. [Land Subsidence and Groundwater Level Monitoring](#)  
*John Ellis, P.G., Gulf Coast Studies Section Chief, USGS Oklahoma-Texas Water Science Center*
2. [Subsidence in the Houston-Galveston Area](#)  
*Chris Boyes, E.I.T., Hydraulics, TxDOT Houston District*
3. [TWDB & TIFF Subsidence Workshop](#)  
*Ashely Greuter, P.G., Program Manager, Harris Galveston/Fort Bend Subsidence District*
4. [Vertical Land Motion](#)  
*Daniel Roman, Ph.D., Chief Geodesist, NOAA National Geodetic Survey & Daniel Prouty, Ph.D., Southern Plains Geodetic Advisor, NOAA National Geodetic Survey*
5. Academic Panels
  - A. [Geology/Summary Land Deformation Academics](#)
    - i. *Shubab Khan, Ph.D, Professor of Geology, Earth & Atmospheric Sciences, University of Houston*
    - ii. *Yi Liu, Ph.D., Assistant Professor, Civil Engineering, Morgan State University*
    - iii. *Nick Fang, Ph.D., P.E., Associate Professor, Civil Engineering, University of Texas at Arlington*
  - B. [InSAR Academics](#)
    - i. *Shubab Khan, Ph.D.*
    - ii. *Ann Chen, Ph.D., Assistant Professor, Orbital Mechanics, University of Texas at Austin*
    - iii. *Mohamed Ahmed, Ph.D., Assistant Professor, Physical and Environmental Sciences, Texas A&M University Corpus Christi*
    - iv. *Pietro Milillo, Ph.D., Assistant Professor, Civil and Environmental Engineering, University of Houston*
    - v. *Manoochehr Shirzaei, Ph.D., Associate Professor of Geophysics and Remote Sensing, Geosciences, Virginia Tech*
    - vi. *Zhong Lu, Ph.D., Shuler-Foscue Professor of Geophysics, Earth Sciences, Southern Methodist University*
    - vii. *Ashraf Rateb, Ph.D., Research Scientist Associate IV, Bureau of Economic Geology, University of Texas at Austin*



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## C. GPS Geodetic Infrastructure in Texas for Land Subsidence Studies

- i. Bob Wang, Ph.D., Professor of Geophysics, Geodesy, and Geosensing Systems Engineering, University of Houston
- ii. Ibraheem Ali, Ph.D., Geospatial Analyst, Texas A&M University Corpus Christi
- iii. Joseph M. Kruger, Ph.D., Chair, Earth and Space Sciences, Lamar University

## D. Tide Gauges for Coastal Subsidence Studies in Texas

- i. Bob Wang, Ph.D.
- ii. Tianxing Chu, Ph.D., Assistant Professor, Engineering and Computing Sciences, Texas A&M University-Corpus Christi
- iii. Yi Liu, Ph.D.
- iv. Philippe Tissot, Ph.D., Interim Director, Conrad Blucher Institute and Associate Research Professor, Texas A&M University-Corpus Christi

## 6. California Department of Water Resource's Land Subsidence Monitoring and Reporting

Benjamin Brezina, Senior Water Resources Engineer, California Department of Water Resources and Steven Springhorn, SGMA Technical Assistance Manager, California Department of Water Resources

**10:35 AM**      **Break**

**10:45 AM**      **Session II – Discussion**  
*Saul Nuccitelli, Director Flood Science & Community Assistance, TWDB*

**10:50 AM**      **Presentations Q & A**  
*All*

**11:20 AM**      **Open Discussion and Surveys on Land Deformation**  
*All*

**11:50 AM**      **Next Steps**  
*Jenna Rao, Senior Water Resources Engineer, TWDB*

**12:00 PM**      **Adjourn**  
*Saul Nuccitelli, Director Flood Science & Community Assistance, TWDB*

