

38th Annual Oklahoma Governor's Water Conference and Research Symposium
Liquid Assets: The Value of Water Investment in Oklahoma

October 31 - November 1, 2017

Embassy Suites Hotel and Conference Center, Norman, OK

October 31, 2017

8:30 WELCOME

Ford Drummond, Chairman, Oklahoma Water Resources Board (OWRB)
Oklahoma Governor Mary Fallin
Video Welcome from Senator James Lankford
Keynote: Seth Siegel, Author of Let There Be Water

10:00 BREAK

10:30 CONCURRENT SESSIONS

Water Conference: Energy Panel

Michael Teague, Oklahoma Secretary of Energy & Environment
Michael Dunkel, Ch2M, Facilitator, Produced Water Working Group
Nicki Fuller, Executive Director, Southwestern Power Resources Association
Usha-Maria Turner, Director, Environmental Affairs & Federal Public Policy, OGE Energy Corp

Research Symposium Session 1: Poster Presentations

12:00 LUNCHEON

Oklahoma Water Pioneer Awards
OWRB 60th Anniversary Celebration
Julie Cunningham, Executive Director, OWRB
Dr. Bob Blackburn, Executive Director, Oklahoma Historical Society
Video Welcome from Senator James Inhofe

2:00 CONCURRENT SESSIONS

Water Conference: Nonconsumptive Use Panel

Video Welcome from Congressman Tom Cole
Scott Robinson, Director, Port of Muskogee
Roy Williams, CCE, President & CEO, Greater Oklahoma City Chamber
Dian Jordan, PhD, Sociologist

Research Symposium Session 2: Irrigation Water Use Efficiency

Moderator: Jordan Foster, Oklahoma Dept. of Ag, Food, and Forestry
The Oklahoma City ENVISION Model: Linking Land Management, Water Use, and Human Well-Being
Jennifer Koch, Assistant Professor, University of Oklahoma
Sub-Surface Drip Irrigation: Impact of Management and Crop Selection on Soil Water Dynamics
Sumit Sharma, Post Doc, Oklahoma State University
Performance Evaluation of Soil Moisture Sensors Under Field Condition
Sumon Datta, Oklahoma State University
Soil Salinity Variations in an Irrigation Scheme in Southwest Oklahoma During A Period of Extreme Dry and Wet Cycles
Sheyda Chamaki, Oklahoma State University

3:00 BREAK

3:30 GENERAL SESSION

Gary McManus, Oklahoma State Climatologist
Col. Christopher Hussin, Tulsa District Commander, US Army Corps of Engineers
Kenneth Wagner, Senior Advisor to the Administrator for Regional and State Affairs, US Environmental Protection Agency
Poster Contest Award Winners
Dr. Kevin Wagner, Director, Oklahoma Water Resources Center (OWRC)

5:00 RECEPTION

November 1, 2017

8:30 WELCOME

Keynote: Layne Carter, NASA Marshall Space Flight Center
Water for 2060 Excellence Awards
Julie Cunningham, OWRB Executive Director
Michael Teague, Oklahoma Secretary of Energy & Environment
Jim Reese, Oklahoma Secretary of Agriculture

10:00 BREAK

10:30 CONCURRENT SESSIONS

Water Conference: Municipal and Industrial Panel

Matt Newman, Tulsa Regional Water Policy Task Force
Robert Moore, Manager, Marshall County Water Corporation
Kim Peterson, Mayor, Guymon, OK
Marc Hoss, Plant Manager, Koch Industries

Research Symposium Session 3:

Role of University Water Centers & Institutes

Kevin Wagner, Oklahoma Water Resources Center (OSU)
Jason Vogel, Oklahoma Water Survey (OU)
Guy Sewell, Oka' Institute (ECU)
David Sabatini, Water Technologies for Emerging Regions (WaTER) Center (OU)

Federal & State Programs to Support Water Management in Oklahoma

USGS Water Mission Area
Donald Cline, USGS Water Mission Area Associate Director
Never Met an Oklahoma Water Future I Didn't Like
Larry Roach, Guernsey Engineering & Environmental Group Water Resources Program Manager

Continuing Legal Education Sessions, OBA Environmental Law Section

12:00 LUNCHEON

Dr. Todd Halihan, Professor of Hydrogeophysics, Oklahoma State University
4H Speech Contest Winner

2:00 CONCURRENT SESSIONS

Water Conference: Agriculture Panel

Video Welcome from Congressman Frank Lucas
Trey Lam, Executive Director, Oklahoma Conservation Commission
Tracy Streeeter, Director, Kansas Water Office
Jimmy Emmons, President, Oklahoma Association of Conservation Districts
Dan Sebert, Coalition Executive Director, National Watershed Coalition
Jim Reese, Oklahoma Secretary of Agriculture

Research Symposium Session 4: Surface Water Assessment & Management

Moderator: Shanon Phillips, Director of Water Quality, Oklahoma Conservation Commission
Lake Wister 2017: Progress and Prospects
Steven Patterson, Restoration Ecologist, Bio x Design
Using Earth Observation Satellites to Map Algal Biomass in the Grand Lake Watershed
Abubakarr Mansaray, Oklahoma State University
Future Projections of Rainfall Extremes and Drought in Oklahoma
Adrienne Wootten, Postdoctoral Research Associate, University of Oklahoma
Future Flood Risks Associated with Climate Change to Infrastructure
David Lampert, Assistant Professor, Oklahoma State University

3:00 BREAK/ADJOURN WATER CONFERENCE

3:30 Research Symposium Session 5: Groundwater Hydrologic Evaluations

Moderator: Kevin Wagner, Oklahoma Water Resources Center
Hydrologic Investigation Report of the Elk City Sandstone Aquifer in West Oklahoma
Derrick Wagner, Water Resources Geologist, Oklahoma Water Resources Board
Hydrogeophysical Evaluation of the Washita Alluvium and Terrace Aquifer
Kyle Spears, Water Resources Geologist, Oklahoma Water Resources Board
Impact of Soil Moisture on Groundwater Levels in Oklahoma – Explanatory & Predictive Analysis of Regional Drought
Jad Ziolkowska, Assistant Professor, University of Oklahoma
Results from the Canadian River Alluvial Aquifer Study: Simulation of Groundwater Flow and Analysis of Projected Water Use
John Ellis, Hydrologist, U.S. Geological Survey
Hydrogeology and Simulation of Groundwater Flow and Availability in the North Fork Red River Aquifer, Oklahoma, 1980-2013
Jerrod Smith, U.S. Geological Survey
Hydrologic Investigation of the Cimarron Terrace Aquifer, North-West Oklahoma
Jessica Correll, Water Resources Geologist, Oklahoma Water Resources Board

OWRB Monthly Meeting

5:00 ADJOURN RESEARCH SYMPOSIUM