

## HGS FLOOD CONFERENCE

### FLOODING IN SOUTHEAST TEXAS: THE SCIENCE BEHIND THE FLOODS

June 6 &7, 2018

#### Preliminary list of speakers

SPEAKER	ASSOCIATION	GENERAL TOPIC
Sherril Willey	U.S. Army Corps of Engineers, Galveston District	History of evaluating flooding and mitigation; plans for the future
Dr. Philip B. Bedient	Herman Brown Professor of Engineering in Civil and Environmental Engineering at Rice University	Detention reservoirs and natural vs. concrete channels
Dr. Arturo Leon	Associate Professor, Department of Civil Engineering at University of Houston	Technology of flood mitigation
Dr. Gretchen Miller	Associate Professor, Zachry Department of Civil Engineering at Texas A&M University	Subsurface injection of flood waters for mitigation
Dr. Christopher Mathewson	Regents Professor Emeritus, Department of Geology & Geophysics at Texas A&M University	Hydrology and hydraulics of flooding and flood management in an urban environment
Stephen Costello	City of Houston Mayor's Office Chief Resilience Officer "Flood Czar"	Houston
Dr. John Nielsen-Gammon	Texas State Climatologist, Regents Professor at Texas A&M University	Meteorological risk assessment and frequency of rainfall
Keith Owens	Technical and Business Development Manager Fugro USA Land, Inc.	Topography update using LIDAR
Mike Allison	Raptor Aerial Services	Use of drones for aerial surveys
Jeff Lindner	Director Hydrologic Operations Division/Meteorologist, Harris County Flood Control District	Recent history- Harvey
Matthew Zeve	Director of Operation, Harris County Flood Control District	Post Harvey future plans
Dr. Jeff Nittrouer	Assistant Professor, Department of Earth, Environmental and Planetary Sciences, Rice University	Fluvial Geomorphology and its relationship to flooding
Dr. Bill Dupre	Professor Emeritus, University of Houston	Pleistocene controls on modern drainage patterns

Dr. Julia Wellner and Dr. William Sager	Professors, Department of Earth and Atmospheric Sciences University of Houston	Coastal impacts from inland flooding
Dr. Leyon Greene	Texas Water Development Board	TexMesoNet
Michael J. Turco	General Manager, Harris-Galveston Subsidence District, Fort Bend Subsidence District	Impact of subsidence on flooding
Viktor Hlas	OptiRTC, Inc	Preventing Flooding through Intelligent Stormwater Management
Davis Tolman	D Tolman Interests LLC	The Use of LIDAR and Residual Mapping to Communicate Flood Risk
John Culberson	U. S. Congressman	5-10 minute talk (federal funding? et al)
Paul Bettencourt	Texas State Senator District 7	Economics
Greater Houston Flood Mitigation Consortium and Houston Stronger		Panel discussion