

2015 TFMA Fall Technical Summit

After the Floods: Texas Rising



WEDNESDAY - SEPTEMBER 2, 2015		SUMMIT CONCURRENT SESSIONS	
WORKSHOPS & FIELD TRIP		TRACK A - HCFCD & USACE UPDATES	
8:00 - 5:00	Workshop 1 - Floodplain Management 101 Shawn Snyder, CFM - Texas Water Development Board	2:00 - 2:45	A1 - Use of 1D/2D Modeling and Risk Mapping Ataul Hannan, PE, CFM - Harris County Flood Control District Todd Ward, PE, CFM - Harris County Flood Control District Larry Voice, CFM - Federal Emergency Management Agency
8:00 - 5:00	Workshop 2 - Intermediate Floodplain Management (NFIP 201) Dale Hoff, CFM - FEMA Region VI Jack Graham, CFM - FEMA Region VI	2:45 - 3:30	A2 - An Overview of the Harris County Flood Control District's Voluntary Home Buyout Program and the Associated Avoided Flood Damages from the 2015 Memorial Day Weekend Flood Event James Wade, CFM - Harris County Flood Control District
8:00 - Noon	Workshop 3 - Understanding FEMA's Elevation Certificates Jibrael Ahmad, RPLS, CFM - McKim & Creed Michael Hoover, RPLS, LSLS, CFM - McKim & Creed	3:30 - 4:00	BREAK
8:00 - Noon	Workshop 4 - How to Review a 2D Model Mitch Blum - HDR Engineering Wayne Tschirhart, PE, PMP, CFM - San Antonio River Authority	4:00 - 4:30	A3 - Memorial Day Flood Event Analysis in Brays Bayou Undergoing Flood Improvement Projects Brian Edmiston, PE, CFM - Harris County Flood Control District Nasiba Alibegovic, CFM - Harris County Flood Control District
1:00 - 5:00	Workshop 5 - Issues in Urban (Zone X) Flooding Steven Eubanks, PE, CFM - City of Fort Worth	4:30 - 5:30	A4 - Coastal Texas Regional Community Flood Risk Management (FRM) Systems Performance Evaluation Study Edmond Russo, PhD, PE - US Army Corps of Engineers Eduardo Irigoyen - US Army Corps of Engineers, Galveston District Rob Thomas, PE - US Army Corps of Engineers, Galveston District Mario Beddingfield, PE, CFM - US Army Corps of Engineers, Galveston District
TRACK B - HYDROLOGY & HYDRAULICS			
1:00 - 5:00	Workshop 6 - Planning 101 - The Development and Formulation of Flood Damage Reduction and Stormwater Plans Burton Johnson, PE, CFM - Burton Johnson Engineering	2:00 - 2:30	B1 - Benchmarking 2D Models in the United States following the UK Environmental Agency's 2D Testing Procedure - HEC-RAS 5.0 versus InfoWorks ICM Thomas Davies, PE - Jacobs Engineering Mayank Mehta, PE, CFM - Jacobs Engineering
1:00 - 5:00	Workshop 7 - Review Process and Required Data for HCFCD Local Review and LOMR Delegation Todd Ward, PE, CFM - Harris County Flood Control District Brian Edmonson, PE, CFM - Harris County Flood Control District	2:30 - 3:00	B2 - Utilizing 1D/2D Modeling to Evaluate and Design Development Infrastructure in the Cypress Creek/Addicks Overflow Chris Doherty, PE, CFM - Brown & Gay Engineers Steven Golz, PE, CFM - Brown & Gay Engineers
8:00 - Noon	Field Trip - Project Brays	3:00 - 3:30	B3 - Progression of Hydrologic and Hydraulic Modeling Adam Willard, EIT - Brown and Gay Engineers Yousef Husain, PE, CFM - Brown and Gay Engineers
THURSDAY - SEPTEMBER 3, 2015		BREAK	
OPENING PLENARY SESSION		B4 - 2D Stormwater Modeling & Mobile LiDAR	
8:00 - 8:15	Welcome Roy Sedwick, CFM - TFMA Executive Director Jessica Baker, PE, CFM, PMP - TFMA President	4:00 - 4:30	Matt Manges, PE, CFM - Lockwood, Andrews & Newnam
8:15 - 9:00	National Flood Insurance Program Flood Prevention Solutions Bill Laughlin, CFM - SmartVent Products	4:30 - 5:00	B5 - 2D Stormwater Analysis Equals Big Savings in Drainage Relief for the Town of Addison Maria Martinez, PE, CFM - Half Associates Walter Skipwith, PE, D.WRE - Half Associates Jason Shroyer, EIT - Town of Addison
9:00 - 9:30	The Coming of 2D Model Review Mitch Blum - HDR Engineering	5:00 - 5:30	B6 - The Beleaguered Figure 15 Craig Loftin, PE, CFM - US Army Corps of Engineers
9:30 - 10:00	BREAK	TRACK C - COMMUNITY RATING SYSTEM & FLOOD HAZARD MITIGATION PLANNING	
10:00 - 10:15	NOAA Atlas 14 for the State of Texas Max Strickler - US Army Corps of Engineers	2:00 - 3:30	C1 - C2 - Community Rating System & Flood Hazard Mitigation Planning (Part 1) Janine Ellington, CFM - Lockwood, Andrews & Newnam Cathy Meek, CFM, LRA - Lockwood, Andrew & Newnam
10:15 - 10:30	Watershed-Based Innovations: "Scaling-Up" Risk MAP First Order Approximation Analyses Jennifer Knecht - FEMA Region VI Elizabeth Levitz, CFM - RAMPP Chris Levitz, CFM - RAMPP	3:30 - 4:00	BREAK
10:30 - 11:00	Flood Forecasting and Alerting: Considerations for the Future at Every Level Kevin Shunk, PE, CFM - City of Austin	4:00 - 5:30	C3-C4 - Community Rating System & Flood Hazard Mitigation Planning (Part 2) Janine Ellington, CFM - Lockwood, Andrews & Newnam Cathy Meek, CFM, LRA - Lockwood, Andrew & Newnam
11:00 - 11:30	Flooding 101 for Community Emergency Response Team (CERT) Matt Porcher, CFM - City of Austin		
11:45 - 1:30	Luncheon and General Membership Meeting		



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SUMMIT CONCURRENT SESSIONS - CONTINUE		TRACK F - FLOODPLAIN MANAGEMENT STRATEGIES	
TRACK D - FLOOD CONTROL CONCEPTS & ETHICS			
2:00 - 2:30	D1 - A Race Against Time: An Emergency Bank Stabilization on Kee Branch Scott Hubley, PE, CFM - <i>Freese and Nichols</i> David Coffman, PG, CFM - <i>Freese and Nichols</i> Amy Cannon, PE, CFM - <i>City of Arlington</i>	2:00 - 2:30	F1 - Mobility 35 - Capital Area Improvement Program Drainage Impact Study Florian Baltoi, PE - <i>K Friese & Associates</i> Travis Kaatz, EIT - <i>K Friese & Associates</i>
2:30 - 3:00	D2 - Stream Restoration Tools Developed for the San Antonio River Watershed Gian Villarreal, PE, CPSWQ, CFM - <i>Michael Baker</i> LeeAnne Lutz, PE, CFM - <i>San Antonio River Authority</i>	2:30 - 3:00	F2 - The Next Generation of AHPS Services David Schwertz, CFM - <i>Houston/Galveston National Weather Service</i>
3:00 - 3:30	D3 - Assessing Internal Drainage and Pump Station Capacity for a Texas Coastal Levee System Cory Stull, PE, CFM - <i>Freese and Nichols</i> Ashley Schneider, EIT, CFM - <i>Freese and Nichols</i>	3:00 - 3:30	F3 - High Water Alert Lifesaving Technology Frank Gutierrez - <i>High Sierra Electronics</i>
3:30 - 4:00	BREAK	3:30 - 4:00	BREAK
4:00 - 5:00	D4 - Engineering Ethics for Developing in Flood-Prone Areas Lacey Bodnar, EIT, CFM - <i>Costello, Inc.</i> Rich Gallegos, PE, CFM - <i>Costello, Inc.</i>	4:00 - 4:30	F4 - Emergency Preparedness as Mitigation Rita Anderson - <i>Freese and Nichols</i>
5:00 - 5:30	D5 - Red Bluff Dam: Model Tested, Mother Nature Approved Sunit Deo, PE, CFM - <i>HDR Engineering</i> Cristopher Parker, PE, CFM - <i>HDR Engineering</i>	4:30 - 5:00 5:00 - 5:30	F5 - City of Austin Little Walnut Creek Flood Improvements Case Study Bryan Martin, PE, CFM - <i>Brown & Gay Engineers</i> Thuan Nguyen, PE, CFM - <i>City of Austin</i>
TRACK E - FLOODPLAIN MAPPING		F6 - Onion Creek Flood Mitigation Buyout Project Pam Kearnott, PE, CFM - <i>City of Austin</i>	
2:00 - 2:30	E1 - Preservation of a Historic Swing Bridge in Coastal Tidal Surge Zone - E. Roundbunch Road over Cow Bayou, Orange County, Texas Chris Doherty, PE, CFM - <i>Brown & Gay Engineers</i>	FRIDAY - SEPTEMBER 4, 2015	
2:30 - 3:00	E2 - Defining Flood Inundation Areas Using SSURGO Data J. Furnans, PhD, PE, PG, CFM - <i>Intera Incorporated</i> N. Sangwan, MSE V. Merwade, PhD	8:00 - 8:30	CLOSING PLENARY SESSION REVIEW OF THE MEMORIAL WEEKEND FLOODING Wimberley - Witnessing the Flood John Espinoza, PE, CFM - <i>MS Engineering</i> Cindy Engelhardt, PE, CFM - <i>Half Associates</i> Mike Moya, PE, CFM - <i>Half Associates</i>
3:00 - 3:30	E3 - Local Flood Inundation Mapping - Now What? Case Study of the MLK TOD Project Area - City of Austin Glen Taffinder, PE, CFM - <i>City of Austin</i> Kim Patak, PE, CFM, Env SP, CPESC - <i>Freese and Nichols</i>	8:30 - 9:00	Memorial Day Flooding in Harris County Jeff Lindner - <i>Harris County Flood Control District</i>
3:30 - 4:00	BREAK	9:00 - 9:30	Utilization of Flood Models to assist Emergency Responders: Expanding the Situational Awareness of the Victoria Emergency Operation Center John Johnston, PE, CFM - <i>City of Victoria</i> Jill Trevino, PE, CFM - <i>Freese and Nichols</i> Richard McBrayer - <i>City of Victoria</i> Chief Tanner Drake - <i>City of Victoria</i>
4:00 - 4:30	E4 - Change in Risk in a Fast Growing Area - A Case Study Hector Olmos, PE, CFM - <i>Freese and Nichols</i> Shashi Kumar, PE, CFM - <i>City of Sugar Land</i>	9:30 - 10:00	BREAK
4:30 - 5:00	E5 - Flood Accuracy - Models, Maps, Reality Thomas Mountz, PE, D.WRE, CFM - <i>LJA Engineering</i>	10:00 - 10:40	From Drought to the Flood of the Century Jerry Cotter, PE - <i>US Army Corps of Engineers</i> Helena Mosser, PE - <i>US Army Corps of Engineers</i>
5:00 - 5:30	E6 - StormWater Evaluation Enhancement Tool (SWEET) for the City of Houston Parekh Lad - <i>City of Houston</i> William Conlan, PE, CFM - <i>Klotz Associates</i> Manuel Razo, GISP, CFM - <i>Klotz Associates</i>	10:40 - 12:00	Flood Panel Discussion David Mauk, CFM - <i>Bandera County River Authority & Groundwater District</i> Jeff East - <i>US Geological Survey (USGS)</i> Joe Arellano, CFM - <i>National Weather Service (NWS)</i>
		Noon	Closing Roy Sedwick, CFM - <i>TFMA Executive Director</i> Jessica Baker, PE, CFM, PMP - <i>TFMA President</i>