

# Fall Floodplain Institute

NORTH CAROLINA ASSOCIATION OF FLOOD PLAIN MANAGERS

## PROGRAM (PRELIMINARY)

### 2017 Fall Floodplain Institute October 25-27, 2017 Charlotte, NC

#### Tuesday, October 24 (pre-conference activity)

7:00 – 9:00 PM	<b>NCAFPM Board Meeting</b> <i>Chair: David Key, PE, CFM</i>
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#### Wednesday, October 25

8:00 AM – 1:00 PM	<b>Golf Outing</b> (Renaissance Park Golf Course) <i>Coordinator: John Fullerton, CFM (NCAFPM)</i>
1:00 – 1:45 PM	<b>Registration</b> (Pre-Function Hallway in Conference Center)
1:45 – 3:15 PM	<b>PLENARY SESSION</b> (Carolina Room) <i>Moderator: TBD</i> <i>Master of Ceremonies: David Key, PE, CFM (NCAFPM Chair)</i>  <b>Welcome to Charlotte</b> <i>The Honorable Jennifer Roberts (Mayor, City of Charlotte)</i>  <b>Welcome to the 12<sup>th</sup> Annual Fall Floodplain Institute</b> <i>David Key, PE, CFM (NCAFPM Chair)</i>  <b>Keynote Address</b> <i>Brock Long (Director, Federal Emergency Management Agency)</i>  <b>ASFPM Update</b> <i>TBD</i>
3:15 – 3:45 PM	<b>BREAK</b> – soft drinks & fudge brownies (Conference Pre-Function Area)
3:45 – 5:15 PM	<b>PLENARY SESSION, continued</b> (Carolina Room) <i>Moderator: John Fullerton, CFM, CZO, Ed. M.</i>  <b>North Carolina Floodplain Mapping Update: New Tools and Technology</b> <i>John Dorman, CFM (NCEM Risk Management)</i>  <b>Weather Reporting and Flood Impact in Charlotte</b> <i>WSOC Meteorologist Team</i>  <b>FEMA Updates</b> <i>TBD</i>
5:15 – 5:45 PM	<b>Registration</b> (Pre-Function Hallway in Conference Center)
5:30 – 7:00 PM	<b>Exhibitor’s Social</b> – hors d’oeuvres and beverages (Pre-Function Hallway in Conference Center)
	<b>Dinner on Your Own</b>
9:00 – 11:00 PM	<b>Hospitality Suite Open</b> (Room TBA)

## Thursday, October 26

<b>6:30 – 10:00 AM</b>	<b>Complimentary Breakfast Buffet for Hotel Guests</b>			
<b>7:00 – 9:00 AM</b>	<b>Registration</b> (Pre-Function Hallway in Conference Center)			
<b>8:30 – 10:00 AM</b>	<b>PLENARY SESSION, continued</b> (Carolina Room) <i>Moderator: John Fullerton, CFM, CZO, Ed. M.</i>			
<b>Note:</b> Duration of individual presentations is in brackets [].	<b>End of An Era or Just Getting Started? Doral/Cavalier – Chief Rodgers, Charlotte-Mecklenburg Fire Department [45]</b> <i>Crystal Goode, PE, CFM; Robert Billings, PE, CFM; David Goode, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i>			
	<b>Putting the “Storm” in Storm Water — Communication Strategies [45]</b> <i>Mark Boone, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i>			
<b>10:00 – 10:30 AM</b>	<b>Registration</b> (Pre-Function Hallway in Conference Center) <b>BREAK</b> – coffee, tea, lemonade, cinnamon rolls (Pre-Function Hallway in Conference Center)			
<b>10:30 AM – 12:00 PM</b>	<b>PLENARY SESSION, continued</b> (Carolina Room) <i>Moderator: TBD</i>			
	<b>Introduction to NHMA Disaster Risk Reduction Curriculum [30]</b> <i>Rebecca Leigh Joyce (Central Shenandoah Planning District Commission), Tim Trautman, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i>			
	<b>Princeville: 100 Years of Flood Risk [30]</b> <i>David Key, PE, CFM (ESP Associates)</i>			
	<b>NCAFP Board Discussion About Benefits of Involvement [30]</b> <i>David Key, PE, CFM (NCAFPM Chair); Bill Tingle, PG, CFM (NCAFPM Executive Director); John Fullerton, CFM, CZO (FFI Conference Chair and Past NCAFPM Chair); David Goode, PE, CFM (FFI Program Chair)</i>			
<b>12:00 – 1:15 PM</b>	<b>Lunch Buffett &amp; NCAFPM Meeting</b> (Carolina Room)			
<b>1:30 – 3:00 PM</b>	<b>Technical Track</b> (Carolina Room) <i>Moderator: TBD</i>	<b>General Track</b> (Charlotte Room) <i>Moderator: TBD</i>	<b>Training Track</b> (Charlotte Room) <i>Facilitators: Randy Mundt, AICP, CFM, Terry Foxx, CFM, Collis Brown (FEMA, Region IV)</i>	<b>Field Trip</b> <b>Mitigation Project in Charlotte – Doral/Caviler [3 hours]</b> <i>Crystal Goode, PE, CFM (Charlotte-Mecklenburg Storm Water Services), Aaron Early, PE, CFM (Wildlands Engineering)</i>
	<b>Floodplain Design, Construction, and Flood Insurance [30]</b> <i>Zach Falkner, CFM (Smart Vent)</i>	<b>Whole Community Disaster Risk Reduction and Adaptation [90]</b> <i>Rebecca Leigh Joyce (Central Shenandoah Planning District Commission), Tim Trautman, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i>	<b>NFIP 101- CFM Review Session [3 hours]</b>	
	<b>Floodplain Buyouts: Promises, Pitfalls, and Lessons Learned [30]</b> <i>David Salvesen, PhD (UNC-Chapel Hill)</i>			
	<b>Leveraging LiDAR for 2D Modeling [30]</b> <i>Karl Dauber, PE, CFM (WSP USA)</i>			
<b>3:00 – 3:30 PM</b>	<b>BREAK</b> – sweet & unsweet tea, lemonade, fresh baked cookies (location TBA)			

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**PRELIMINARY PROGRAM**

## Thursday, October 26 (cont.)

3:30 –5:00 PM	<p><b>Technical Track</b> (Carolina Room) <i>Moderator: TBD</i></p> <p><b>Using the Community Rating System Activity 420 to Improve Community Resilience</b> [30] <i>Lora Eddy (The Nature Conservancy)</i></p> <p><b>Living Erosion Pins Streambank and Hillslope Erosion Rate Assignments using Exposed Tree Roots</b> [30] <i>Bryan Dick, PE, PH (Freese &amp; Nichols)</i></p> <p><b>Putting Your Money Where Your Mouth Is – Mecklenburg County Goal Driven Mitigation Initiative</b> [30] <i>Neal Banerjee, PE, CFM (ESP Associates), Tim Trautman, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i></p>	<p><b>General Track</b> (Charlotte Room) <i>Moderator: TBD</i></p> <p><b>The Floodplain Management Process</b> [90] <i>Rebecca Leigh Joyce (Central Shenandoah Planning District Commission), Tim Trautman, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i></p>	<p><b>Training Track (cont.)</b> (Charlotte Room) <i>Facilitators: Randy Mundt, AICP, CFM, Terry Foxx, CFM, Collis Brown (FEMA, Region IV)</i></p> <p><b>NFIP 101- CFM Review Session</b> [3 hours]</p>	<p><b>Field Trip (cont.)</b></p> <p><b>Mitigation Project in Charlotte – Doral/Caviler</b> [3 hours] <i>Crystal Goode, PE, CFM (Charlotte-Mecklenburg Storm Water Services), Aaron Early, PE, CFM (Wildlands Engineering)</i></p>
5:30 – 6:00 PM	<b>Flood Model Demonstration</b> (location TBA)			
5:30 – 7:30 PM	<b>Conference Social</b> – buffet and beverages (location TBA)			
7:30 – 11:00 PM	<b>Hospitality Suite Open</b> (location TBA)			

## Friday, October 27

6:30 – 10:00 AM	<b>Complimentary Breakfast Buffet for Hotel Guests</b>			
7:30 – 8:30 AM	<b>Registration</b> (Pre-Function Hallway in Conference Center)			
8:30 – 10:00 AM	<p><b>Technical Track</b> (Room TBA) <i>Moderator: TBD</i></p> <p><b>Quality Assurance Reviews on Substantial Damage Estimator (SDE) Reports</b> [30] <i>Jennifer Housman, PE, CFM (AECOM)</i></p> <p><b>Innovative Method to Evaluate the Change in Urbanization and Land Use</b> [30] <i>Celina Bochis Caslaru, PE, CFM, and Elham Foyouz (ESP Associates)</i></p> <p><b>Reedy Creek Stream Restoration Project – Applying Design-Build Methodologies for Stream Restoration</b> [30] <i>Matthew Gustis, PE (Charlotte Mecklenburg Storm Water Services)</i></p>	<p><b>Engineering Training Track</b> (Charlotte) <i>Moderator: TBD</i></p> <p><b>Coastal Flood Modeling</b> [45] <i>Dan Brubaker, PE, CFM (NCFMP)</i></p> <p><b>Updated Quality Level 2 LiDAR Collection</b> [45] <i>Dan Brubaker, PE, CFM (NCFMP)</i></p>	<p><b>CFM Exam</b> (Charlotte) 8:30 – 11:30 AM [3 hr]</p> <p><i>Facilitator: Terry Foxx, CFM (FEMA, Region IV)</i></p>	
10:00 – 10:30 AM	<b>BREAK</b> – coffee, tea, lemonade, bagels, & cream cheese (location TBA)			

# PRELIMINARY PROGRAM

## Friday, October 27

<p><b>10:30 AM – 12:00 PM</b></p>	<p><b>General Track</b> (Charlotte) <i>Moderator: TBA</i></p> <p><b>Building Back: Developing More Resilient Communities After Hurricane Matthew</b> [30] <i>Ryan Wiedenman, CFM (Atkins)</i></p> <p><b>Mecklenburg County Water Quality Stream Restoration Ranking System</b> [30] <i>Robert Billings, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i></p> <p><b>What Else Can Go Wrong? Does It Pay To Be the Nice Guy?</b> [30] <i>Kathy Wolfe, CFM (Iredell County)</i></p>	<p><b>Engineering Training Track</b> (cont) (Charlotte) <i>Moderator: Terry Kuneff, PE, CFM</i></p> <p><b>No Rise Studies</b> [45] <i>Dan Brubaker, PE, CFM (NCFMP)</i></p> <p><b>Update NC Geodetic Survey</b> [45] <i>Dan Brubaker, PE, CFM (NCFMP)</i></p>	<p><b>CFM Exam</b> (cont) (Charlotte) 8:30 – 11:30 AM [3 hr]</p>
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### 2017 Fall Floodplain Institute Presenters

Neal Banerjee, PE, CFM (ESP Associates)  
 Robert Billings, PE, CFM (Charlotte-Mecklenburg SWS\*)  
 Mark Boone, PE, CFM (Charlotte-Mecklenburg SWS)  
 Celina Bochis Caslaru, PE, CFM (ESP Associates)  
 Dan Brubaker, PE, CFM (NCFMP)  
 Karl Dauber, PE, CFM (WSP USA)  
 Bryan Dick, PE, PH (Freese & Nichols)  
 John Dorman, CFM (NCEM Risk Management)  
 Aaron Early, PE, CFM (Wildlands Engineering)  
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 Jennifer Housman, PE, CFM (AECOM)  
 Rebecca Leigh Joyce (Central Shenandoah Planning District Commission)  
 David Key, PE, CFM (ESP Associates)  
 Brock Long (Federal Emergency Management Agency)  
 Jennifer Roberts (Mayor, City of Charlotte)  
 David Salvesen, PhD (UNC-Chapel Hill)  
 Tim Trautman, PE, CFM (Charlotte-Mecklenburg SWS)  
 Ryan Wiedenman, CFM (Atkins)  
 Kathy Wolfe, CFM (Iredell County)

\*Storm Water Services

## PRELIMINARY PROGRAM

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