



PROGRAM

Sunday, April 15 (pre-conference activities)	
12:00 – 1:00 PM	Annual Golf Tournament Lunch & Range Balls (Olde Point Country Club, 513 Country Club Dr. Hampstead, NC 28443) <i>John Fullerton, CFM (NCAFPM Conference Chair)</i>
1:00 – 6:00 PM	Annual Golf Tournament (Olde Point Country Club) <i>John Fullerton, CFM (NCAFPM Conference Chair)</i>
5:00 – 7:00 PM	Registration (Grand Concourse)
4:00 – 9:00 PM	Exhibitors' Setup (Grand Concourse) *Note: Exhibits must be removed by 6:00 PM on Tuesday, April 17
7:30 – 9:00 PM	NCAFPM Board Meeting
8:00 – 11:00 PM	NCAFPM Hospitality Suite (3rd floor)

Monday, April 16	
7:00 – 10:00 AM	Registration (Grand Concourse)
8:15 AM – 12:00 PM	PLENARY SESSION (Grand Ballroom: Merrick/Lillington/Caswell/Harnett)
Note: Duration of individual presentations is in brackets []. 10:00 – 10:30AM	Welcome to the 2018 NCAFPM Annual Conference [15] <i>John Fullerton, CFM (Conference Chair)</i> <i>David Key, PE, CFM (NCAFPM Chair)</i> <i>Bill Tingle, PG, CFM (NCAFPM Executive Director)</i>
	Welcome to Wilmington [10] <i>The Honorable Bill Saffo (Mayor, City of Wilmington)</i>
	KEYNOTE: Building Relationships [40] <i>James H. Faison, III (District Court Judge, District 5)</i>
	FEMA Flood Apex Program [40] <i>David Alexander (Assistant Deputy Director, FEMA)</i>
	Break and Silent Auction Open [30] – bagels and cinnamon buns (Grand Concourse)
	NCFMP Update [45] <i>Hope Morgan, CFM (GIS Manager, NCEM)</i>
	Sustainable Strategies to Flooding [45] <i>Mike Randall (Willow Strategies)</i>
12:00 – 1:15 PM	Networking Luncheon – “A Taste of Italy” Lunch Buffet (Grand Ballroom)
1:15 – 1:30 PM	Silent Auction Open (Grand Concourse)

Monday, April 16 (continued)

1:30 – 3:00 PM	PLENARY SESSION, continued (Grand Ballroom)
	NC Geodetic Updates: 2022 Datum and State Boundary [45] <i>Gary Thompson (NCEM)</i>
	ASFPM and FEMA Updates [45] <i>Bill Tingle, PG, CFM (NCAFPM Executive Director)</i>
3:00 – 3:30 PM	Break and Silent Auction Open – pretzels and brownies (Grand Concourse)
3:30 – 5:00 PM	PLENARY SESSION, continued (Grand Ballroom)
	Hurricane Ike: Changes Along the Bolivar Peninsula in Texas [45] <i>Spencer Rogers (North Carolina Sea Grant)</i>
	HMGP Elevation Projects Lessons Learned [45] <i>T. Dale Holland, AICP (Holland Consulting Planners)</i>
5:00 – 7:30 PM	Silent Auction Open (Grand Concourse)
5:30 – 7:30 PM	Exhibitors’ Social , including refreshments and hors d’oeuvres from 6:00-7:00 PM (Grand Concourse)
	Dinner (on your own)
9:00 – 11:00 PM	NCAFPM Hospitality Suite (3rd floor)

Tuesday, April 17

7:30 – 9:00 AM	Registration (Grand Concourse)	
8:30 – 10:00 AM Note: Duration of individual presentations is in brackets [].	1-A Technical Session (Merrick) <i>Moderator: Kenneth Ashe, PE, PMP, CFM</i>	1-B CRS Session (Harnett) <i>Moderator: David Goode, PE, CFM</i>
	The North Carolina King Tides Project: A Citizen Science Water-Level Monitoring Initiative [30] <i>Marygrace Rowe (UNC-Chapel Hill)</i>	Overview of the Community Rating System [60] <i>Mandy Todd, AICP, CFM, and Mike Bratcher, CFM (ISO)</i>
	Sea Level Rise in Virginia Beach [30] <i>Shanda H. Davenport (City of Virginia Beach); Michelle Covi (Virginia Sea Grant)</i>	How to Start a CRS User Group [30] <i>Craig Harris, CFM (Pender County); Ken Vafier (New Hanover County)</i>
	Elizabeth City Downtown Waterfront and Charles Creek Flood Resilience Master Plans [30] <i>Matthew Schelly, AICP, CZO, CFM (Elizabeth City); Johnny Martin, PE, and Scott Laqueux (Moffatt & Nichol)</i>	
10:00 – 10:30 AM	Break and Silent Auction – muffins, breads, pastries (Grand Concourse)	
10:30 AM – 12:00 PM	2-A Technical Session (Merrick) <i>Moderator: Amit Sachan, PE, CFM</i>	2-B CRS Session (Harnett) <i>Moderator: Holly White, AICP, CFM</i>
	Using a Novel Method to Map Flood Susceptibility of the Lower Connecticut River Region [30] <i>Jason P. Giovannettone, PhD, PE, Thomas Copenhaver, and Scott Choquette, CFM (Dewberry)</i>	Building an Education and Outreach Program in Your Community the CRS Way [45] <i>David Stroud, CFM (Wood)</i>
	NJ Route 35 Restoration and Flood Control after Hurricane Sandy [30] <i>Nabil Hourani, PE (McCormick Taylor)</i>	The Do’s and Don’ts of Open Space Preservation [45] <i>David Stroud, CFM (Wood)</i>
12:15 – 1:30 PM	Networking Luncheon – “Port City Buffet” (Grand Ballroom)	
	NCAFPM Chapter Meeting (Grand Ballroom) <ul style="list-style-type: none"> • NFIP State Coordinator’s Award • CFM Certificates and Recognitions • CRS Community Recognition • NCAFPM Board Elections 	

Tuesday, April 17 (continued)

1:15 – 1:45 PM	Silent Auction (Grand Concourse)				
1:45 – 3:15 PM	<p>3-A Technical Session (Merrick) <i>Moderator: Terry Kuneff, PE, CFM</i></p> <p>From Buyout to Restoration: Chantilly Ecological Park [30] <i>Aaron Earley, PE, CFM (Wildlands); Crystal M. Goode, PE, CFM (Mecklenburg County)</i></p> <p>Living Erosion Pins – Streambank and Hillslope Erosion Rate Assessments using Exposed Tree Roots [30] <i>Bryan Dick, PE, PH (Freese & Nichols)</i></p> <p>TMDL Reduction Credit for Stream Restoration – Case Studies and Comparison of Several Methods [30] <i>Bryan Dick, PE, PH, & Emily Darr, EIT, CFM, ENV SP (Freese & Nichols)</i></p>	<p>3-B General Session (Harnett) <i>Moderator: Jeremy Hardison, CZO, CFM</i></p> <p>State Hazard Mitigation Planning in a Data-Rich State [30] <i>Ryan Cox, CFM (NCEM), Nathan Slaughter, AICP, CFM (ESP)</i></p> <p>Vulnerability/ Resiliency Planning [30] <i>Jess Whitehead (NC Sea Grant)</i></p> <p>Wave Attenuation at Brunswick/Fort Anderson on the Cape Fear River [30] <i>Randy Boyd, PE (North State Environmental)</i></p>	<p>3-C Certified Floodplain Manager (CFM) Exam Refresher (Bellamy) <i>Moderators: Heather Keefer, CFM, Dan Brubaker, PE, CFM, and Randy Mundt, AICP, CFM (NCEM)</i></p>	<p>FIELD TRIP</p> <p>Anne McClary Park <i>Transportation provided. Assemble in lobby at 1:30 PM</i></p>	
3:15 – 3:30 PM	Break and Silent Auction – cookies and ice cream (Grand Concourse)				
3:30 – 5:00 PM	<p>4-A Technical Session (Merrick) <i>Moderator: Stephen Smith, CFM</i></p> <p>Floodplain Modeling Greenways Through Culverts [30] <i>Robert Billings, PE, CFM (Mecklenburg County)</i></p> <p>A Look at Several 2D modeling Software Packages and Their Impact on Results [30] <i>Steve Godfrey, PE, CFM (Woolpert)</i></p> <p>Comparison and Application of 2D Hydraulic Models in Flood Risk Management [30] <i>Ao Yi, PE, CFM (Wood)</i></p>	<p>4-B General Session (Harnett) <i>Moderator: David Goode, PE, CFM</i></p> <p>Community Development Block Grant Disaster Recovery Program Housing Intake Centers [30] <i>Randy Mundt, AICP, CFM (NCEM); Nadia Mata, PE (Atkins); David Key, PE, CFM (ESP Associates)</i></p> <p>When Disaster Strikes – Hurricane Mathew FEMA Repairs and Program Management [30] <i>John Larch, PE, CFM, and David Webb, PE (Freese & Nichols)</i></p> <p>Function-Based Resiliency: Improving Performance through Adaptive Management [30] <i>JD Solomon, PE, CRE, CMRO (CH2M/Jacobs)</i></p>			
5:00 – 5:30 PM	Silent Auction - LAST CHANCE! (Grand Concourse)				
5:30 – 9:00 PM	Conference Social – refreshments and hors d'Oeuvres (6:00-7:00 PM); water taxi boat rides; bluegrass Folkstone String-band (Patio adjacent to Grand Ballroom)				
	Dinner (on your own)				
9:00 – 11:00 PM	NCAFPM Hospitality Suite (3rd floor)				

Wednesday, April 18

8:00 – 9:00 AM	Registration (Grand Concourse)		
8:30 – 10:00 AM	<p>5-A Technical Session (Merrick) <i>Moderator: Bill Tingle, PG, CFM</i></p> <p>Flood Mitigation Planning: Dealing With “That Guy” [30] <i>Leigh M. Chapman, CFM (Salter’s Creek Consulting)</i></p> <p>Finding Mitigation Opportunities In Recovery After Major Disasters (All Programs on Deck) [30] <i>Lawrence Frank, CFM (Atkins)</i></p> <p>Emergency Management: Dam Safety 101 – A Near Miss Leads To More Training, Better Communication and a Table Top [30] <i>Holly E. Miller, PE, CFM, CPESC (Town of Wake Forest)</i></p>	<p>5-B General Session (Harnett) <i>Moderator: Melonee Brock, CFM</i></p> <p>Post Disaster Relief – Importance of Community Partners & Collaboration [30] <i>Kyle Breuer, AICP (Pender County); Megan Crowe, CFM (City of Wilmington); Mike Moser (Baptists on Mission)</i></p> <p>A First Responder’s Tool for Dam Failure Planning and Mitigation [30] <i>Randy Mundt, AICP, CFM (NCEM); David Key, PE, CFM (ESP Associates)</i></p> <p>Utilizing 2D Modeling for Rapid Forecast and Extreme Event Flood Mapping and Risk Assessment [30] <i>Neal Banerjee, PE, CFM (ESP Associates)</i></p>	<p>Certified Floodplain Manager (CFM) Exam (Bellamy)</p> <p><i>Proctor: Dan Brubaker, PE, CFM (NCEM)</i></p>
10:00 – 10:30 AM	Break – cinnamon buns (Grand Concourse)		
10:30 AM – 12:00 PM	<p>6-A Technical Session (Merrick) <i>Moderator: David Goode, PE, CFM</i></p> <p>Reading Sediment: Using Rapid Geomorphology and Sediment Budget Tools to Guide Water Intake Maintenance and Replacement [30] <i>Ian Jewell, J.D. (Freese & Nichols)</i></p> <p>Floodplain Design and Construction [60] <i>Zach Faulkner, CFM (Smart Vent)</i></p>	<p>6-B General Session (Harnett) <i>Moderator: Nathan Pennington, CFM</i></p> <p>Improving Mitigation Decision-Making Through Local Data and Tools [30] <i>Ryan Wiedenmann, AICP, CFM (Atkins)</i></p> <p>Hurricane Hazel 2018 [30] <i>Kenneth Ashe, PE, PMP, CFM (Wood)</i></p> <p>Hazard Identification Risk Assessment [30] <i>Ryan Cox, CFM (NCEM); Jay Sikes (Harnett County)</i></p>	
noon	Conference Adjourns		

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PLATINUM LEVEL



PRESENTERS

David Alexander (FEMA)
Kenneth Ashe, PE, PMP, CFM (Wood)
Neal Banerjee, PE, CFM (ESP Associates)
Robert Billings, PE, CFM (Mecklenburg County)
Randy Boyd, PE (North State Environmental)
Mike Bratcher, CFM (ISO)
Kyle Breuer, AICP (Pender County)
Scott Brookhart, PE, CFM (McCormick Taylor)
Chris Brooks, PE (McCormick Taylor)
Dan Brubaker, PE, CFM (NCEM)
Leigh M. Chapman, CFM (Salter's Creek Consulting)
Scott Choquette, CFM (Dewberry)
Thomas Copenhagen (Dewberry)
Michelle Covi (Virginia Sea Grant)
Ryan Cox, CFM (NCEM)
Megan Crowe, CFM (City of Wilmington)
Emily M. Darr, EIT, ENV SP, CFM (Freese & Nichols)
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John Larch, PE, CFM (Freese & Nichols)
Johnny Martin, PE (Moffatt & Nichol)
Nadia Mata, PE (Atkins)
Holly E. Miller, PE, CPESC, CFM (Town of Wake Forest)
Hope Morgan, CFM (NCEM)
Mike Moser (Baptists on Mission)
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