

A State of RESILIENCE

NORTH CAROLINA ASSOCIATION OF FLOODPLAIN MANAGERS
ANNUAL CONFERENCE

Atlantic Beach, NC April 23-26, 2017

PROGRAM

Sunday, April 23 (pre-conference activities)

11:30 AM – 1:00 PM	Annual Golf Tournament Lunch & Range Balls (Beaufort Club Golf Club, formerly North River, 300 Links Dr., Beaufort) <i>John Fullerton, CFM (NCAFPM)</i>
1:00 – 6:00 PM	Annual Golf Tournament (Beaufort Club Golf Club, formerly North River, 300 Links Dr., Beaufort) <i>John Fullerton, CFM (NCAFPM)</i>
5:00 – 7:00 PM	Registration (Foyer)
6:00 – 9:00 PM	Exhibitors Setup (Pamlico/Hatteras) *Note: Exhibits must be removed before 4:00 PM on Tuesday
8:00 – 10:00 PM	NCAFPM Board Meeting (Core Sound)
8:00 – 11:00 PM	NCAFPM Hospitality Room (Sandcastles)

Monday, April 24

7:00 – 10:00 AM	Registration (Foyer)
8:15 – 12:00 PM	PLENARY SESSION (Grand Ballroom – Cape Fear/Cape Lookout/Atlantic)
10-10:30 AM	Note: Duration of individual presentations is in brackets []. Welcome to the 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 Atlantic Beach [10] <i>The Honorable A. B. "Trace" Cooper, III (Mayor, Town of Atlantic Beach)</i>
	KEYNOTE: Hurricane Matthew [40] <i>John Dorman, CFM (Assistant State Emergency Management Director for Risk Management)</i>
	NCFMP Update [40] <i>John Dorman, CFM (Assistant State Emergency Management Director for Risk Management)</i>
	Break and Silent Auction [30] – (Hatteras/Pamlico/Foyer/Bogue)
	Post Disaster Resilient Redevelopment Planning Update [45] <i>Bel Marquez, PE, PMP, CFM (ESP Associates)</i>
	Forecasting and Public Information from the News [45] <i>Nate Johnson (Meteorologist/Executive Producer, WRAL)</i>
12:00 – 1:15 PM	Networking Luncheon – Lunch Buffet (Grand Ballroom) Adaptation in a Coastal Environment [20] <i>Holly White, AICP, CFM (Town of Nags Head)</i>
1:15 – 1:30 PM	Silent Auction (Bogue)
1:30 – 3:00 PM	PLENARY SESSION, continued (Grand Ballroom – Cape Fear/Cape Lookout/Atlantic)
	City of Lumberton Hurricane Matthew Impact and Recovery [45] <i>Brandon Love (Director of Planning & Neighborhood Services, City of Lumberton)</i>
	ASFPM / FEMA Update [45] <i>Shawn Putnam, AICP, CFM (South Carolina Association of Hazard Mitigation, District 3 Chapter Director)</i>

Monday, April 24 (continued)

3:00 – 3:30 PM	Break and Silent Auction – (Hatteras/Pamlico/Foyer/Bogue)	
3:30 – 5:00 PM	<p>1-A Policy Session (Atlantic) <i>Moderator: Bill Tingle, PG, CFM</i></p> <p>New Approved Remedies for Elevating Structures Above the New “Base Flood Elevations” [30] <i>Richard Sykes (RamJack)</i></p> <p>Floodplain Design and Construction [60] <i>Zach Faulkner, CFM (Smart Vent)</i></p>	<p>1-B 2017 CRS Updates and Requirements (Cape Fear/Cape Lookout) <i>Moderator: Mandy Todd, AICP, CFM and Mike Bratcher, CFM (ISO)</i></p>
5:00 – 7:30 PM	Silent Auction (Bogue)	
5:30 – 7:30 PM	Exhibitors’ Social (Pamlico/Hatteras)	
	Dinner (on your own)	
9:00 – 11:00 PM	NCAFPM Hospitality Room (Sandcastles)	

Tuesday, April 25

7:30 – 9:00 AM	Registration (Foyer)	
8:30 – 10:00 AM	<p>2-A Technical Session (Grand Ballroom) <i>Moderator: Kenneth Ashe, PE, PMP, CFM</i></p> <p>BCEGS NC Building Code [30] <i>Dale Thomure, CFM (ISO)</i></p> <p>“Moving On Up” – Strategies to Lift the City of Charlotte to a CRS Class 4 [60] <i>Salih Iddrisu, PE, CFM, Mark Boone, CFM, and James Scanlon, GISP, CFM (Charlotte-Mecklenburg Storm Water Services)</i></p>	<p>2-B Certified Floodplain Manager (CFM) Exam Refresher (Sandcastles) <i>Moderators: Heather Keefer, CFM and Dan Brubaker, PE, CFM (NCEM)</i></p>
10:00 – 10:30 AM	Break and Silent Auction – (Hatteras/Pamlico/Foyer/Bogue)	
10:30 AM - 12:00 PM	<p>3-A Technical Session (Grand Ballroom) <i>Moderator: Amit Sachan, PE, CFM</i></p> <p>USGS Documentation of Peak Streamflow and High Water Marks from Inland Flooding following Hurricane Matthew [30] <i>Stephen Harden (USGS)</i></p> <p>Post Disaster Lessons Learned [30] <i>Heather Keefer, CFM (NCEM), Roy McClure (FEMA Region IV)</i></p> <p>Tracking Storm Tide and Coastal Flooding During Hurricane Matthew [30] <i>Stephen Harden (USGS)</i></p>	<p>3-B Certified Floodplain Manager (CFM) Exam Refresher (continued) (Sandcastles) <i>Moderators: Heather Keefer, CFM and Dan Brubaker, PE, CFM (NCEM)</i></p>
12:15 – 1:30 PM	Networking Luncheon – Lunch Buffet (Grand Ballroom)	
	<p>NCAFPM Chapter Meeting (Grand Ballroom)</p> <ul style="list-style-type: none"> • NFIP State Coordinator’s Award • CFM Certificates and Recognitions • CRS Community Recognition • NCAFPM Board Elections 	
1:15 – 1:45 PM	Silent Auction (Bogue)	
1:45 – 3:15 PM	<p>4-A Technical Session (Atlantic) <i>Moderator: Terry Kuneff, PE, CFM</i></p> <p>Flood Warning [30] <i>Kenneth Ashe, PE, PMP, CFM (Amec Foster Wheeler) and David Key, PE, CFM (ESP Associates)</i></p> <p>Higher Standards/New Coastal Model Ordinance [30] <i>Heather Keefer, CFM (NCEM)</i></p> <p>Using NFIP and CRS Planning to Build Resilience [30] <i>David Stroud, CFM (Amec Foster Wheeler)</i></p>	<p>4-B Coastal Modeling and Workshop (Cape Fear/Cape Lookout) <i>Presenters: Randy Mundt, AICP, CFM, Dan Brubaker, PE, CFM, and Tom Langan, PE, CFM (NCEM staff)</i></p>

Tuesday, April 25 (continued)

3:15 – 3:30 PM	Break and Silent Auction – (Hatteras/Pamlico/Foyer/Bogue)	
3:30 – 5:00 PM	<p>5-A Technical Session (Atlantic) <i>Moderator: Holly White, AICP, CFM</i></p> <p>Be Better Than Average: Hydrologic & Hydraulic Modeling Techniques [30] <i>Seungho Song, PE, CFM & Taylor Leahy (CDM Smith)</i></p> <p>Holding the Line – Efforts to Stabilize Regulated Future Condition Elevations in Mecklenburg County [30] <i>Elham Foyouz and Neal Banerjee, PE, CFM (ESP Associates), Salih Iddrisu, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i></p> <p>Coastal LOMRs and CLOMRs: Understanding the Process and Submitting a Productive Package [30] <i>Erin Benford, GIT and Adam Clinch, PE (AECOM)</i></p>	<p>5-B Coastal Modeling and Workshop (Cape Fear/Cape Lookout) <i>Moderators: Randy Mundt, AICP, CFM, Dan Brubaker, PE, CFM, and Tom Langan, PE, CFM (NCEM)</i></p> <p>NCEM Presentation, continued [30] <i>Randy Mundt, AICP, CFM, Dan Brubaker, PE, CFM, and Tom Langan, PE, CFM (NCEM)</i></p> <p>Cultivating the North Carolina King Tides Project [30] <i>Christine Voss, PhD (UNC Chapel Hill Institute of Marine Sciences)</i></p> <p>Scenario Based Real Time Flood Modeling with ADCIRC for Hurricane Matthew [30] <i>Jason Fleming, PhD (Seahorse Consulting, LLC)</i></p>
5:00 – 5:30 PM	Silent Auction - LAST CHANCE! (Bogue)	
6:00 – 11:00 PM	Conference Social including Light Hors D’Oeuvres & Refreshments – NC Aquarium at Pine Knoll Shores	
8:00 – 11:00 PM	NCAFPM Hospitality Room (Sandcastles)	

Wednesday, April 26

7:30 – 9:00 AM	Registration (Foyer)	
8:30 – 10:00 AM	<p>6-A Technical Session (Pamlico/Hatteras) <i>Moderator: David Key, PE, CFM</i></p> <p>Decision Model Used to Reform Charlotte-Mecklenburg’s Floodplain Management Program [30] <i>W. Dave Canaan (Charlotte-Mecklenburg Storm Water Services)</i></p> <p>The New NRCS Rainfall Distributions and How They May Change Your Hydrologic Analysis Results [30] <i>Steve Godfrey, PE, CFM (Woolpert)</i></p> <p>What Are Appropriate SCS Unit Hydrograph Peak Rate Factors in North Carolina? [30] <i>Seungho Song, PE, CFM (CDM Smith)</i></p>	<p>Certified Floodplain Manager (CFM) Exam (Bogue) <i>Moderator: Dan Brubaker, PE, CFM (NCEM)</i></p>
10:00 – 10:30 AM	Break – (Hatteras/Pamlico/Foyer)	
10:30 AM – noon	<p>7-A Technical Session (Pamlico/Hatteras) <i>Moderator: David Goode, PE, CFM</i></p> <p>New/Upgraded Websites: REBUILD.NC.GOV and ncfloodmaps.com [30] <i>Richard Fogleman, CFM (AECOM) and David Key, PE, CFM (ESP Associates)</i></p> <p>Flood Hazards and Facility Vulnerability Assessment and Mitigation [30] <i>Kenneth Hunu, PE, CFM (Atkins North America)</i></p> <p>Green Infrastructure to Create More Resilient and Livable Communities [30] <i>Jason Claudio-Diaz, PE, CFM (Kimley-Horn and Associates)</i></p>	
noon	Conference Adjourns	

PRESENTERS

Kenneth Ashe, PE, PMP, CFM (Amec Foster Wheeler)
 Neal Banerjee, PE, CFM (ESP Associates)
 Erin Benford, GIT (AECOM)
 Mark Boone, CFM (Charlotte-Mecklenburg)
 Mike Bratcher, CFM (ISO)
 Dan Brubaker, PE, CFM (NCEM)
 W. Dave Canaan (Charlotte-Mecklenburg)
 Jason Claudio-Diaz, PE, CFM (Kimley-Horn)
 Adam Clinch, PE (AECOM)
 John Dorman, CFM (NCEM)
 Zach Faulkner, CFM (Smart Vent)
 Jason Fleming, PhD (Seahorse Consulting)
 Richard Fogleman, CFM (AECOM)
 Elham Foyouz (ESP Associates)
 Steve Godfrey, PE, CFM (Woolpert)
 Stephen Harden (USGS)
 Kenneth Hunu, PE, CFM (Atkins North America)
 Salih Iddrisu, PE, CFM (Charlotte-Mecklenburg)

Nate Johnson (WRAL)
 Heather Keefer, CFM (NCEM)
 David Key, PE, CFM (ESP Associates)
 Tom Langan, PE, CFM (NCEM)
 Taylor Leahy (CDM Smith)
 Brandon Love (City of Lumberton)
 Bel Marquez, PE, PMP, CFM (ESP Associates)
 Roy McClure (FEMA Region IV)
 Randy Mundt, AICP, CFM (NCEM)
 Shawn Putnam, AICP, CFM (SCAHM)
 James Scanlon, GISP, CFM (Charlotte-Mecklenburg)
 Seungho Song, PE, CFM (CDM Smith)
 David Stroud, CFM (Amec Foster Wheeler)
 Richard Sykes (RamJack)
 Dale Thomure, CFM (ISO)
 Mandy Todd, AICP, CFM (ISO)
 Christine Voss, PhD (UNC Chapel Hill Institute of Marine Sciences)
 Holly White, AICP, CFM (Town of Nags Head)

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