



# NCAFPM 2014 Annual Conference AGENDA

Sunday, April 27 (pre-conference activities)	
<b>11:30 AM – 5:00 PM</b>	<b>Annual Golf Tournament</b> (North River Golf Club — Tee time 1pm) followed by food and beverages at Surfari’s Restaurant <i>John Fullerton, CFM (NCAFPM)</i>
<b>4:00 – 6:00 PM</b>	<b>Registration</b> (Conference Foyer)
<b>4:00 – 6:00 PM</b>	<b>Exhibitors Setup</b> (Conference Foyer)
<b>8:00 – 11:00 PM</b>	<b>Hospitality Suite</b> (Room TBA)
<b>8:00 PM – until</b>	<b>NCAFPM Board Meeting</b> (Boardroom)

Monday, April 28	
<b>7:00 – 9:00 AM</b>	<b>Registration</b> (Conference Foyer) – breakfast on your own; coffee provided
<b>8:30 – 10:00 AM</b>	<b>PLENARY SESSION</b> (Grand Ballroom)
(8:30 – 8:40)	<b>Conference Welcome</b> <i>John Fullerton, CFM (NCAFPM Chair)</i>
(8:40 – 8:50)	<b>Welcome to Atlantic Beach</b> <i>The Honorable A.B. “Trace” Cooper, III (Mayor, Town of Atlantic Beach)</i>
(8:50 – 9:00)	<b>NCAFPM/CFM Program Update</b> <i>Bill Tingle, PG, CFM (NCAFPM Executive Director)</i>
(9:00 – 9:15)	<b>ASFPM Foundation</b> <i>David Key, PE, CFM (NCAFPM Secretary)</i>
(9:15 – 10:00)	<b>NCFMP Update</b> <i>John Dorman, CFM (NCEM)</i>
<b>10:00 – 10:30 AM</b>	<b>Break</b> – coffee, tea, pastries, muffins (Conference Foyer)
<b>10:30 – 11:45 AM</b>	<b>KEYNOTE ADDRESS: Grimm (and Unchartered) Waters 2014   ASFPM Update</b> (Grand Ballroom) <i>Chad Berginnis, CFM (ASFPM Executive Director)</i>
<b>12:00 – 1:00 PM</b>	<b>Lunch Buffet &amp; Membership Meeting</b> (Grand Ballroom)
<b>1:15 – 3:00 PM</b>	<b>PLENARY SESSION</b> (Atlantic Room) <ul style="list-style-type: none"> <li>• <b>No Adverse Impact</b> – <i>Chad Berginnis, CFM</i></li> <li>• <b>Legislative Update</b> – <i>Berry Williams, CFM</i></li> <li>• <b>NCAFPM at 25 Years!</b> – <i>Berry Williams, CFM</i></li> </ul>
<b>3:00 – 3:30 PM</b>	<b>Break</b> – brownies, tea, lemonade (Conference Foyer)
<b>3:30 – 5:00 PM</b>	<b>PLENARY SESSION, cont.</b> (Atlantic Room) <ul style="list-style-type: none"> <li>• <b>2014 LiDAR Collection</b> – <i>Hope Morgan, GISP, CFM (NCEM)</i></li> <li>• <b>2014 Coastal Preliminary Flood Insurance Studies Update</b> – <i>Kenneth Ashe, PE, CFM (NCEM)</i></li> </ul>
<b>6:00 – 8:00 PM</b>	<b>Exhibitors’ Social – Light Hors D’Oeuvres &amp; Refreshments</b> (Courtyard Area)
<b>8:00 – 11:00 PM</b>	<b>Hospitality Suite</b> (Room TBA)

# NCAFPM 1st Annual Silent Auction

(Executive Board Room  
in the hotel conference area)



## Schedule

### Monday, April 28

8:00 – 10:30 AM

12:45 – 1:15 PM

3:00 – 3:30 PM

6:00 – 8:00 PM

### Tuesday, April 29

7:30 – 8:30 AM

10:00 – 10:30 AM

12:45 – 1:15 PM

3:00 – 5:30 PM

## Tuesday, April 29

<b>7:30 – 8:30 AM</b>	<b>Registration</b> (Conference Foyer) – ham/sausage biscuits, coffee		
<b>8:30 – 10:00 AM</b>  <b>Note:</b> Duration of individual presentations is in brackets [].	<b>Track A</b> (Cape Fear) <i>Moderator: Garrett Shields, CFM</i>  <b>GIS Resources and Tools to Facilitate Floodplain Management</b> [30] <i>Neal Banerjee, PE, CFM &amp; Katie Betz, EI, CFM (ESP Associates)</i>  <b>Hurricane Evacuation Study for North Carolina</b> [30] <i>Jason Glazener (US Army COE); Bill Massey (Dewberry)</i>  <b>Stormwater Utility Fee 101</b> [30] <i>Mike Wayts, PE, CFM &amp; Trey Shanks (Freese and Nichols)</i>	<b>Training Track</b> (Pamlico) <i>Moderator: David Key, PE, CFM</i>  <b>Orifice and Weir Flow - Not So Simple</b> [45] <i>Karl Dauber, PE, CFM &amp; Charles Heafner, CFM (Parsons Brinckerhoff)</i>  <b>HEC-RAS Model Review</b> [45] <i>Dan Brubaker, PE, CFM (NCEM) &amp; Joe Kirby, PE, CFM (ESP Associates)</i>	<b>Track B</b> (Atlantic) <i>Moderator: Scott Yi</i>  <b>Understanding Foundation Flood Vents and FEMA's Technical Bulletin 1</b> [30] <i>Paul Abrams (SmartVent)</i>  <b>Using Visual Basic for Automating Tasks</b> [30] <i>Jamey Gray, PLS (ESP Associates)</i>  <b>Flood Risk Assessment and Reduction at Revolution Mill</b> [30] <i>Cindy Lancaster, PE, CFM (Jewell Engineering); Mike Borchers, PE, CFM (City of Greensboro)</i>
<b>10:00 – 10:30 AM</b>	<b>Break</b> – coffee, tea, banana bread (Conference Foyer)		
<b>10:30 AM – noon</b>	<b>Track A</b> (Cape Fear) <i>Moderator: Greg Rucker, PE, CFM</i>  <b>NFIP - CRS</b> [60] <i>Mandy Todd, AICP, CFM (ISO - Commercial Property)</i>  <b>The Repetitive Loss Area Analysis (RLAA) – Add More CRS Credit to Your Community</b> [30] <i>David Stroud, CFM (AMEC)</i>	<b>Training Track</b> (Pamlico) <i>Moderator: Matt Dudley, PE, CFM</i>  <b>The Evolution of Floodplain Mapping Updates in Mecklenburg County</b> [45] <i>Amit Sachan, PE, CFM (Parsons Brinckerhoff); Neal Banerjee, PE, CFM (ESP Associates); Bill Tingle, PG, CFM (Mecklenburg County)</i>  <b>State Clearing House Reviews</b> [45] <i>Dan Brubaker, PE, CFM (NCEM)</i>	<b>Track B</b> (Atlantic) <i>Moderator: Cameron Long, PE</i>  <b>Advanced Hydraulic Modeling to Support Emergency Action Plans</b> [30] <i>Hector Olmos, PE, CFM &amp; Jeremy Dixon, EIT, CFM (Freese and Nichols)</i>  <b>Geospatial Filtering Methods for Developing Stillwater Surfaces</b> [30] <i>Chris Mack, PE (AECOM)</i>  <b>If You Have Data, Use It!</b> [30] <i>Jason Currie, PE, CFM (AECOM)</i>
<b>12:15 – 1:15 PM</b>	<b>Lunch Buffet &amp; Awards</b> – Tuscan buffet (Grand Ballroom)		
<b>1:30 – 3:00 PM</b>	<b>Track A</b> (Cape Fear) <i>Moderator: Garrett Skinner, CFM</i>  <b>From flood to FLOOD: NCFMP's FLOOD Geodatabase and Data Management</b> [30] <i>Hope Morgan, GISP, CFM (NCEM); Richard Fogleman, GISP, CFM &amp; Gray Minton, PE, GISP (AECOM)</i>  <b>The New Way to Look at Coastal Hazards: the FEMA Non-Regulatory Coastal Risk Products</b> [30] <i>Elena Drei-Horgan, PE, CFM (AECOM)</i>  <b>What Can Letters of Map Change (LOMCs) Tell Us About Risk?</b> [30] <i>Sara Cassidy, CFM (Dewberry); Kenneth Ashe, PE, CFM (NCEM)</i>	<b>Training Track</b> (Pamlico) <i>Moderator: David Stroud, CFM</i>  <b>Easy Bake Maps: Mobile to Web in 5 Minutes</b> [45] <i>Laura Wilson, PMP (ESP Associates)</i>  <b>Keep Calm and SharePoint On: 5 Reasons NOT to be Afraid of SharePoint</b> [45] <i>David Key, PE, CFM (ESP Associates)</i>	<b>CFM REVIEW SESSION – PART 1</b> (Bogue Sound)  <b>NFIP 101 – CFM Preparation, Part 1</b> <i>John Gerber, PE, CFM (NCEM); Randy Mundt, AICP, CFM (NCEM); Dan Brubaker, PE, CFM (NCEM); Collis Brown, CFM (FEMA Region IV)</i>

## Tuesday, April 29

<b>3:00 – 3:30 PM</b>	<b>Break</b> — pretzels & lemonade (Conference Foyer)		
<b>3:30 – 5:00 PM</b>	<p><b>Track A</b> (Cape Fear) <i>Moderator: Ken Ashe, PE, CFM</i></p> <p><b>Mitigation Update: State and Local Mitigation Planning and Grant Status</b> [30] <i>Chris Crew, CFM (NCEM)</i></p> <p><b>Developing BETTER Hazard Mitigation Plans!</b> [30] <i>Nathan Slaughter, AICP, CFM &amp; Ryan Wiedenman, CFM (Atkins)</i></p> <p><b>Planning for Uncertain Horizons: Climate Change, Sea Level Rise and Mitigation Planning</b> [30] <i>Mike Robinson, CFM (AECOM)</i></p>	<p><b>Training Track</b> (Pamlico) <i>Moderator: Laura Arnold, PE, CFM</i></p> <p><b>Proposed Changes to the Ocean Hazard Area of Environmental Concern</b> [30] <i>Mike Lopanzanski (Division of Coastal Management Policy &amp; Planning Section Chief)</i></p> <p><b>Barrier Island Dynamics!</b> [30] <i>Matt Slagel (Division of Coastal Management Shoreline Management Specialist)</i></p> <p><b>2012 Flood Frequency Report Update (GA, NC, and SC)</b> [30] <i>Curtis Weaver, PE (USGS)</i></p>	<p><b>CFM REVIEW SESSION – PART 2</b> (Bogue Sound)</p> <p><b>NFIP 101 – CFM Preparation, Part 2</b> <i>John Gerber, PE, CFM (NCEM); Randy Mundt, AICP, CFM (NCEM); Dan Brubaker, PE, CFM (NCEM); Collis Brown, CFM (FEMA Region IV)</i></p>
<b>6:00 – 11:00 PM</b>	<b>Social – Light Hors D’Oeuvres &amp; Refreshments</b> (Sandcastles Oceanfront Clubhouse with live music by Willis Gupton) <i>(Note: Event is NCAFPM sponsored until 8:00 PM; cash bar from 8:00 – 11:00 PM.)</i>		

## Wednesday, April 30

<b>7:30 – 9:00 AM</b>	<p><b>Registration</b></p> <p><b>Refreshments</b> – ham/sausage biscuits, coffee (Conference Foyer)</p>		
<b>8:30 – 10:00 AM</b>	<p><b>Track B</b> (Atlantic / Cape Fear) <i>Moderator: Nathan Slaughter, AICP, CFM</i></p> <p><b>Dam Owner Responsibilities 101</b> [30] <i>Jay Scanlon, III, PE, CFM &amp; Victor Vasquez, PE (Freese and Nichols)</i></p> <p><b>Comprehensive Storm Water Management in the Town Of Hilton Head Island, SC</b> [30] <i>Steve Godfrey, PE, CFM (Woolpert); Jeff Buckalew, PE (Town of Hilton Head Island)</i></p> <p><b>The Impact of Seasonal Variation on Peak Flows</b> [30] <i>Neal Banerjee, PE, CFM (ESP Associates)</i></p>	<p><b>Insurance Agents Training</b> (Pamlico) <i>Moderator: Melanie Graham (H2O Partners)</i></p>	<p><b>Certified Floodplain Manager (CFM) Exam</b> (Bogue Sound)</p>
<b>10:00 – 10:30 AM</b>	<b>Break</b> — cookies & lemonade (Conference Foyer)		
<b>10:30 AM – noon</b>	<p><b>Track B</b> (Atlantic / Cape Fear) <i>Moderator: Mike Wayts, PE, CFM</i></p> <p><b>Regional Frequency Analysis of Tide Gauge Water Levels</b> [30] <i>Chris Mack, PE &amp; Ben Pope, PE (AECOM)</i></p> <p><b>Flood Hazard Investigation of Davidson River at USFS Davidson River Campground</b> [30] <i>Laura Arnold, PE, CFM (AECOM)</i></p> <p><b>Congaree River Levee Pilot Project – Administratively Speaking</b> [30] <i>Ed Dickson, PE, CFM (AECOM)</i></p>		
<b>noon</b>	Conference adjourns - drive safely home!		

## PRESENTERS

J. Paul Abrams (SmartVent Products)  
 Laura Arnold, PE, CFM (AECOM)  
 Kenneth Ashe, PE, CFM (NCEM)  
 Neal Banerjee, PE, CFM (ESP)  
 Chad Berginnis, CFM (ASFPM)  
 Katie Betz, EI, CFM (ESP)  
 Mike Borchers, PE, CFM (City of Greensboro)  
 Collis Brown, CFM (FEMA Region IV)  
 Dan Brubaker, PE, CFM (NCEM)  
 Jeff Buckalew, PE (Town of Hilton Head Island)  
 Sara Cassidy, CFM (Dewberry)  
 Jason Currie, PE, CFM (AECOM)  
 Chris Crew, CFM (NCEM)  
 Karl Dauber, PE, CFM (Parsons Brinckerhoff)  
 Ed Dickson, PE, CFM (AECOM)  
 Jeremy Dixon, EIT, CFM (Freese and Nichols)

John Dorman, CFM (NCEM)  
 Elena Drei-Horgan, PE, CFM (AECOM)  
 Richard Fogleman, GISP, CFM (AECOM)  
 John Gerber, PE, CFM (NCEM)  
 Jason Glazener (US Army Corps of Engineers)  
 Steve Godfrey, PE, CFM (Woolpert)  
 Jamey Gray, Jr., PLS (ESP)  
 Charles Heafner, CFM (Parsons Brinckerhoff)  
 David Key, PE, CFM (ESP)  
 Joseph Kirby, PE, CFM (ESP)  
 Cindy Lancaster, PE, CFM (Jewell Engineering)  
 Mike Lopanzanski (NCDENR)  
 Chris Mack, PE (AECOM)  
 Bill Massey (Dewberry)  
 Gray Minton, PE, GISP (AECOM)  
 Hope Morgan, GISP, CFM (NCEM)  
 Randy Mundt, AICP, CFM (NCEM)

Hector Olmos, PE, CFM (Freese and Nichols)  
 Ben Pope, PE  
 Mike Robinson, CFM (AECOM)  
 Amit Sachan, PE, CFM (Parsons Brinckerhoff)  
 Jay Scanlon, III, PE, CFM (Freese and Nichols)  
 Trey Shanks (Freese and Nichols)  
 Nathan Slaughter, AICP, CFM (Atkins)  
 Matt Slagel (NCDENR)  
 David Stroud, CFM (AMEC)  
 Bill Tingle, PG, CFM (Mecklenburg County)  
 Mandy Todd, AICP, CFM (ISO)  
 Victor Vasquez, PE (Freese and Nichols)  
 Mike Wayts, PE, CFM (Freese and Nichols)  
 Curtis Weaver, PE (USGS)  
 Ryan Wiedenman, CFM (Atkins)  
 Berry Williams, CFM  
 Laura Wilson, PMP (ESP)

## EXHIBITORS

AECOM  
 AMEC  
 Atkins  
 Dewberry Engineers Inc  
 ESP Associates, P.A.  
 Freese and Nichols

Quantum Spatial  
 Smart Vent Products, Inc.  
 Surdex Corporation  
 THC, Inc.  
 Wildlands Engineering

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