# 30th Anniversary Conference
## Looking to the Future/Lessons from the Past
### May 6-8, 2019
#### Wrightsville Beach, NC

## Sunday, May 5 (pre-conference activities)

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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| 11:00 – 11:30 AM | **Annual Golf Tournament** sponsored by Quantum Spatial, range, balls, Beau Rivage Golf Course, Wilmington  
**John Fullerton, CFM** (NCAFPM Conference Chair) |
| 11:30 AM – 6:00 PM   | **Annual Golf Tournament Tee Time** (11:30 AM sharp)  
**John Fullerton, CFM** (NCAFPM Conference Chair) |
| 5:00 – 7:00 PM       | **Registration** (Lumina Ballroom Foyer)                           |
| 4:00 – 9:00 PM       | **Exhibitors’ Setup** (Lumina Ballroom Foyer)  
*Note: Exhibits may be removed between 3:30 PM – 5:30 PM on Tuesday, May 7* |
| 6:30 – 9:00 PM       | **NCAFPM Board Meeting over Dinner** (Soundwatch)                 |
| 8:00 – 11:00 PM      | **NCAFPM Hospitality Suite- Room # 452**                           |

## Monday, May 6

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<tbody>
<tr>
<td>7:00 – 10:00 AM</td>
<td><strong>Registration</strong> (Lumina Ballroom Foyer)</td>
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<tr>
<td>8:15 AM – 12:00 PM</td>
<td><strong>PLENARY SESSION</strong> (Lumina Ballroom: Masonboro/Airlie/Tidewater)</td>
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</table>
| 8:15 AM – 10:15 AM | **Welcome to the 2019 NCAFPM Annual Conference** [15]  
**John Fullerton, CFM** (Conference Chair)  
**Amit Sachan, PE, CFM** (NCAFPM Chair)  
**Bill Tingle, PG, CFM** (NCAFPM Executive Director) |
|               | **Welcome to Wrightsville Beach** [15]  
**The Honorable Bill Blair** (Mayor, Town of Wrightsville Beach)  
**Introduction Tony Wilson** |
|               | **NC Floodplain Management- Geodetic Updates** [25]  
**Gary Thompson, CFM** (Assistant State Emergency Management Director for Risk Management) |
|               | **NC Floodplain Mapping Updates** [25]  
**Tonda Sheldon** (NCEM) |
|               | **NCFMP Mapping LiDAR** [20]  
**Hope Morgan** (NCEM) |
|               | **ASFP Update** [20]  
**Bill Tingle, PG, CFM** (NCAFPM Executive Director) |
| 10:15 – 10:45 AM | **Break and Silent Auction Open** [30] – assorted danishes, breads, muffins, cinnamon buns (Lumina Ballroom Foyer) |
| 10:45 – 12:00 PM | **FEMA Update** [30]  
**Jason Hunter** (Chief, Floodplain Management & Insurance Branch (FEMA Region IV)  
**Tony Hake** (Federal Insurance Directorate HQ (FEMA))  
**Trends in the Character of Hurricanes and Their Impact on Heavy Rainfall and Flooding in North Carolina** [40]  
**Charles Konrad** (UNC-Chapel Hill) |
| 12:00 – 1:15 PM  | **Networking Luncheon – Create Your Own Salad Buffet** (Lumina Ballroom)  
- **Platinum Sponsor Introduction**  
- **Scholarship Award Presentations** |
| 1:15 – 1:30 PM   | **Silent Auction Open** (Lumina Ballroom)                            |

*Note: Duration of individual presentations is in brackets [ ]*
### Monday, May 6 (continued)

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 1:30 – 3:00 PM  | PLENARY SESSION, continued (Lumina Ballroom: Masonboro/Airlie/Tidewater)               | **Evaluating Alternatives to Reduce Impacts of Riverine Flooding in Eastern North Carolina** [40]  
**Barbara Doll, Ph.D., PE (North Carolina Sea Grant)**  
**Pivoting to the Future: Planning for Flood Resilience in Virginia Beach** [40]  
**Sue Kriebel & Tariq Omar, (City of Virginia Beach)** |
| 3:00 – 3:30 PM  | Break and Silent Auction Open – 30th ANNIVERSARY CAKE (Lumina Ballroom Foyer)          |                                                                                           |
| 3:30 – 5:00 PM  | PLENARY SESSION, continued (Lumina Ballroom)                                            | **How Can We Enhance Floodplain Management in the State Climate Risk Assessment & Resiliency Plan?** [30]  
**Tancred Miller (Division of Coastal Management)**  
**Historic Considerations in North Carolina Floodplains** [30]  
**Renee Gledhill-Earley & Debra Bevin (NC Department of Natural and Cultural Resources)**  
**NOAA Coastal Tools** [30]  
**Russell Jackson (Coastal Hazards Program Coordinator, NOAA)** |
| 5:00 – 7:30 PM  | Silent Auction Open (Lumina Ballroom)                                                   |                                                                                           |
| 6:00 – 7:30 PM  | Exhibitors’ Social, including refreshments, hors d’oeuvres, and music by Bob Clayton (Lumina Ballroom Foyer) |                                                                                           |
| 9:00 – 11:00 PM | NCAFPM Hospitality Suite- Room # 452                                                   |                                                                                           |

### Tuesday, May 7

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| 8:30 – 10:00 AM | PLENARY SESSION (Lumina Ballroom: Masonboro/Airlie/Tidewater)                          | **Successful Outreach for Flood Programs** [30]  
**Dan Tomczak (Jacobs)**  
**Flood Insurance Updates** [30]  
**Rhonda Montgomery, Emergency Management Specialist (FEMA)**  
**From the First to the 30th** [30]  
**Berry Williams, Former Chair NCAFPM** |
| 10:00 – 10:30 AM| Break and Silent Auction – ham, sausage, chicken biscuits, bagels (Lumina Ballroom Foyer) |                                                                                           |
| 10:30 – 12:00 PM| 1-A Coastal Session (Masonboro)             | **Getting Ahead of the Storm—Densifying NC’s Stream Gage Network** [30]  
**Dean R. Goodison, PE, CFM (Atkins)**  
**Dam that is a Hazard! Development of the City of Raleigh’s Dam Program**  
**Brad Stuart, P.E., Brad Cole, P.E., Mike Wayts, P.E., CFM**  
**Streamline Dam Break & Inundation Boundary Assessment for Medium/High Hazard Dams in NC** [30]  
**Ken Hunu, PE, PMP, CFM (Atkins)** |
| 12:00 – 1:15 PM | Networking Luncheon – “Create Your Own Deli Buffet” (Lumina Ballroom)                  | **NCAFPM Board Elections**  
**NFIP State Coordinators’ Award**  
**CFM Certificates and Recognition**  
**CRS Community Recognition**  
**Lifetime Membership Awards**  
**Past President Recognitions**  
**FIELD TRIP** (10:30 – 12:00 PM)  
Transportation provided. Assemble in Soundwatch for a brief presentation at 10:30 AM. Limited to 30. Sign up at the registration table.  
**Case Study in Elevation**  
**Dale Holland, AICP (Holland Consulting Planners)** |
**Tuesday, May 7**  
*(continued)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
<th>Location</th>
<th>Speaker(s)</th>
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</table>
| 1:30 – 3:00 PM | **2-A Coastal Session** (Masonboro)  
Moderator: Bill Tingle, PG, CFM  
VE/Primary Frontal Dune (PFD) Training [30]  
Erin Benford, GIT (AECOM)  
Valerie Anderson (FEMA Region 4)  
Coastal Roundtable [45]  
Discussion of Coastal Issues | Masonboro | Bill Tingle, PG, CFM, Erin Benford, GIT (AECOM), Valerie Anderson (FEMA Region 4) |
| 2 - B General Session (Airlie)  
Moderator: Stephen Smith, CFM  
What the Flood! Do We Need to Re-Think the NFIP Approach to Floodplain Management [30]  
David Key, PE, CFM (ESP Associates)  
Raising the Bar - Compelling Reasons and Considerations for Regulating to Future Conditions [30]  
Elham Foyouz, PE, CFM (ESP Associates)  
Hazard Mitigation Planning [30]  
Chris Crew, CFM (NCDEM) | Airlie | Stephen Smith, CFM, David Key, PE, CFM (ESP Associates), Elham Foyouz, PE, CFM (ESP Associates), Chris Crew, CFM (NCDEM) |
| **FIELD TRIP** (1:30 – 3:00 PM)  
Transportation provided. Assemble in lobby at 1:30 PM. Limited to 20. Sign up at the registration table. | Masonboro | Bill Tingle, PG, CFM, Erin Benford, GIT (AECOM), Valerie Anderson (FEMA Region 4) |
| 3:00 – 3:30 PM | **3-A Coastal Session** (Masonboro)  
Moderator: John Fullerton, CFM  
New Web Portal for N.C. Coastal Adaptation and Resiliency Resources [30]  
Christian Kamrath (Division of Coastal Management)  
Co-Producing Vulnerability to Inundation in Coastal NC [30]  
Narcisa Pricope, PhD (UNC-Wilmington)  
Taking the First Step: Flooding & Vulnerability Study for Carolina Beach [30]  
Ken Willson, Adam Priest (APTIM) | Masonboro | John Fullerton, CFM, Christian Kamrath (Division of Coastal Management), Narcisa Pricope, PhD (UNC-Wilmington), Ken Willson, Adam Priest (APTIM) |
| **3-B Community Rating System (CRS) Session** (Airlie)  
Moderator: David Key, PE, CFM  
Overview of the Community Rating System [30]  
Mike Bratcher, CFM (ISO)  
CRS Explorer App [30]  
Lora Eddy, (The Nature Conservancy)  
Higher Regulatory Standards [30]  
Randy Mundt, AICP, (NCEM) | Airlie | David Key, PE, CFM, Mike Bratcher, CFM (ISO), Lora Eddy, (The Nature Conservancy), Randy Mundt, AICP, (NCEM) |
| **FIELD TRIP** (3:30 – 5:00 PM)  
Transportation provided. Assemble in lobby at 3:15 PM. Limited to 20. Sign up at the registration table. | Airlie | David Key, PE, CFM, Mike Bratcher, CFM (ISO), Lora Eddy, (The Nature Conservancy), Randy Mundt, AICP, (NCEM) |
| 5:00 – 5:30 PM | **2-C Certified Floodplain Manager (CFM) Exam Refresher** (Soundwatch)  
Dan Brubaker, PE, CFM, Randy Mundt, AICP, CFM (NCEM) | Soundwatch | Dan Brubaker, PE, CFM, Randy Mundt, AICP, CFM (NCEM) |
| 3:00 – 3:30 PM | Break and Silent Auction – Assorted ice cream bars and gourmet cookies (Lumina Ballroom Foyer) | Lumina Ballroom Foyer | |
| 3:30 – 5:00 PM | **3-A Coastal Session** (Masonboro)  
Moderator: John Fullerton, CFM  
New Web Portal for N.C. Coastal Adaptation and Resiliency Resources [30]  
Christian Kamrath (Division of Coastal Management)  
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| **FIELD TRIP** (3:30 – 5:00 PM)  
Transportation provided. Assemble in lobby at 3:15 PM. Limited to 20. Sign up at the registration table. | Airlie | David Key, PE, CFM, Mike Bratcher, CFM (ISO), Lora Eddy, (The Nature Conservancy), Randy Mundt, AICP, (NCEM) |
| 5:00 – 5:30 PM | Silent Auction - LAST CHANCE! (Lumina Ballroom) | Lumina Ballroom | |
| 6:00 – 10:00 PM | Conference Social – Southern Fare Specialty Buffet  
Folkstone String Band, Live Auction, Karaoke with Bob Clayton | Lumina Ballroom | |
<p>| 9:00 – 11:00 PM | NCAFPM Hospitality Suite- Room # 452 | Lumina Ballroom | |</p>
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<td>Claim, pick up, and pay for Silent Auction Items</td>
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<td><strong>8:30 – 10:00 AM</strong></td>
<td><strong>4-A Coastal Session</strong> (Masonboro)</td>
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<td>Moderator: Terry Kuneff, PE, CFM</td>
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<td>Bogue Banks Master Beach Nourishment Plan [40]</td>
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<td>Johnny Martin, PE</td>
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<td>Sam Morrison, PE (Moffatt &amp; Nichol)</td>
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<td><strong>NC Beach and Inlet Maintenance Plan</strong> [40]</td>
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<td>Katie Finegan, PE</td>
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<td>Johnny Martin, PE (Moffatt &amp; Nichol)</td>
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<td><strong>4-B General Session</strong> (Airlie)</td>
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<td>Moderator: Laura Arnold, PE, CFM</td>
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<td>Hybrid Aerial LiDAR &amp; Aerial Imagery Photogrammetric Mapping [30]</td>
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<td>Scott C Williams, PLS, PPS (GPI Geospatial Inc)</td>
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<td>Boiling Spring Lakes Dam Recovery [30]</td>
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<td>Mike Hanson, PE (McGill Associates)</td>
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<td>A First Responder’s Tool for Dam Failure Planning and Mitigation [30]</td>
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<td>Dan Brubaker, PE, CFM; Matt Dudley</td>
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<td>10:00 – 10:30 AM</td>
<td>Break – assorted freshly made donuts (Lumina Ballroom Foyer)</td>
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<td><strong>10:30 AM – 12:00 PM</strong></td>
<td><strong>5-A Technical Session</strong> (Masonboro)</td>
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<td>Moderator: Melonee Brock, CFM</td>
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<td>Bonner Bridge Design [30]</td>
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<td>Domenic Coletti, PE, (HDR)</td>
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<td>Floodplain Design and Construction [30]</td>
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<td>Zach Faulkner, CFM (Smart Vent)</td>
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<td>“Hurry” can Modeling – Forecast Modeling to Optimize Limited Resources with Limited Time [30]</td>
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<td>Jason Currie, PE, CFM, Ed Dickson, PE, CFM (Freese &amp; Nichols)</td>
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<td><strong>12:00 PM</strong></td>
<td>Conference Adjourns</td>
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<td>Safe travels home and see you in Cherokee in October!</td>
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<td><strong>Certified Floodplain Manager (CFM) Exam</strong> (Soundwatch)</td>
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<td><strong>Proctor:</strong> Randy Mundt, AICP, CFM (NCEM)</td>
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Neal Banerjee, PE, CFM (ESP Associates)
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Bill Blair (Wrightsville Beach Mayor)
Erin Benford, (AECOM)
Mike Bratcher, CFM (ISO)
Benjamin Brown, PE, CFM (City of Raleigh)
Dan Brubaker, PE, CFM (NCDEM)
Brad Cole, PE (Freese & Nichols)
Domenic Coletti , PE, (HDR)
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Kelly Daniel (City of Raleigh)
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Spencer Rogers (North Carolina Sea Grant)
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Tracy Skrabal (Coastal Federation)
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