

PROGRAM

Sunday, May 5 (Pre-conference Activities)

Noon – 12:30	Annual John Fullerton Memorial Golf Tournament Beverages Provided – Bill Tingle CFM			
12:30 - 6:00	Annual John Fullerton Memorial Golf Tournament Wilmington Municipal Golf Course, Tee Time 12:30 PM – Bill Tingle, CFM			
4:30 – 6:30 PM	Registration(Event Space Foyer, Lobby Entry)			
5:00 – 8:00 PM	Exhibitor Set-Up (Prefunction Concourse) *Note: Exhibits must be removed before 6:00 PM on Tuesday.			
6:30 – until	NCAFPM Board Meeting (Solstice Privite Dinning Room)			
8:00 - until	NCAFPM Hospitality Suite (Room # 652)			
Monday, May 6	"Big Visions from State Partners"			
7:00 – 10:00 AM	Registration CEC Check-in (Event Space Foyer, Lobby Entry)			
7:00 – 8:15	Coffee, Juices, and Assorted Biscuits (Prefunction Concourse)			
All Day	Silent Auction (Prefunction Concourse)			
8:15 AM – 12:00 Noon	PLENARY SESSION 1 (Lumina Ballroom)			
8:15 – 8:30	Welcome and Updates Laura Arnold, PE, CFM (NCAFPM Chair) Mike Robinson, CFM (NCAFPM Program Chair) Bill Tingle, CFM (NCAFPM Executive Director)			
8:30 - 8:40	Welcome Mayor of Wrightsville Beach [10]			
8:40 – 9:40	NCEM Hazard Mitigation, NCFMP, NFIP, and NCGS Updates [60] Steve McGugan (State Hazard Mitigation Officer); Steve Garrett, CFM (State NFIP Coordinator); Chris Crew (Mitigation Plans Manager); and Gary Thompson, PLS (Deputy Hazard Mitigation Chief, NC Geodetic Survey Chief)			
9:40 – 10:10	FEMA Region IV Updates [30] Valerie Anderson, CFM, Floodplain Management Specialist, Floodplain Management and Insurance Branch, FEMA Region 4			
10:10 – 10:30	Break and Silent Auction Open – (Assorted Danishes, Yogurt, Fresh Fruit, and Soft Drinks) (Prefunction Concourse) [20]			
10:30 – 11:15	NCDOT's Roadway to Resilience Update [45] Matt Lauffer, PE, CPM State Hydraulics Design Engineer, NC Department of Transportation, Hydraulics Unit			

Monday, May 6	"Big Visions from State Partners"			
11:15 – Noon	NC Flood Resiliency Blueprint Update [45]			
	Marc Recktenwald, NC Division of Mitigation Services, NC Department of Environmental Quality			
12:00 – 1:15 PM	Networking Luncheon – "Flavors de Mexico Buffet" Lunch Buffet (Prefunction Concourse, Lumina Ballroom)			
1:15 to 4:45	PLENARY SESSION 2			
1:15 - 1:45	KEYNOTE ADDRESS: Development of a Resilient Route Identification Tool for NCDOT Using 2D Rain-on-Grid Modeling and SAS Institute's Data Analytics VIYA Platform [30] Barbara Doll, PhD, PE – NC Sea Grant and NC State University, Biological & Agricultural Engineering Department			
1:45 - 2:15	North Carolina Geospatial Data Update [30] Colleen Kiley, GISP, CFM, NC Center for Geographic Information and Analysis			
2:15 – 2:45	Flood Resilience Updates from NCORR [30] Holly White, AICP, CFM and Jeffrey Royal, North Carolina Office of Recovery & Resiliency			
2:45 – 3:15	Break and Silent Auction Open – Assorted Snacks and Soft Drinks (Prefunction Concourse) [30]			
3:15 – 3:45	NC Division of Coastal Management Updates [30] Kasen Wally, Coastal Resilience Specialist, NC Division of Coastal Management, NC Department of Environmental Quality			
3:45 – 4:15	State Construction Office Uniform Floodplain Management Policy Updates [30] Michael Ali, PE State Construction Office, NC Department of Administration			
4:15 – 4:45	FEMA Region IV Updates [30] Substantial Damage Administrative Procedures Program (SDAP): Things Every Community Needs to Know – Valerie Anderson, CFM, Floodplain Management Specialist, Floodplain Management and Insurance Branch, FEMA Region 4			
All Day	Silent Auction (Prefunction Concourse)			
5:00 – 7:00 PM	Exhibitors' Social, Hoes d'oeuvres, Full Bar (2 drink tickets provided w/Cash Bar after) (Prefunction Concourse)			
8:00 – until	NCAFPM Hospitality Suite (Room # 652)			

Tuesday, May 7 "Step-by-Step in Local Communities"				
7:00 – 8:30 AM	Registration - CEC Check-in (Event Space Foyer, Lobby Entry)			
7:00 – 8:15	Coffee, Bagels, Fresh Fruit and Assorted Juices (Prefunction Concourse)			
8:30-10:00	1-A Floodplain Management	1-B Community Planning and	1-C Mapping and Modeling	
	Technical Session	GIS Session	Session	
	(Airlie/Tidewater)	(Masonboro)	(Causeway)	
Note: Duration of indi-	Moderator: Amit Sachan, PE,	Moderator: Holly White, AICP, CFM	Moderator: Scott Brookhart, PE,	
vidual presentations is in brackets [].	CFM	(NCORR)	CFM	
	One [30]	One [30]	One [30]	
	Updates to the Elevation Certif-	City of New Bern: Using GIS for Resilien-	Modeling a Receiving Watershed	
	icate (EC) – Steve Garrett, CFM	cy – Alice Wilson, AICP, GISP (City of New	Based on FEMA New Protocol:	
	and Eryn Futral, AICP, CFM, CZO	Bern)	Decoupled VS Coupled	
	(NCEM)		Approaches – Khaled Pordel, PE,	
		Two [30]	CFM (AtkinsRealis)	
	Two [30]	City of Fayetteville Watershed Master		
	Letters of Map Change (LOMC)	Plan – Ali Shallal, PhD and Alicia Lanier,	Two [30]	
	in North Carolina – Scott Gentry, PE, CFM (NCFMP)	PE, CFM (City of Fayetteville)	Watershed Modeling: Isn't Hydrology Supposed to be the Simple	
		Three [30]	Task? – Steve Godfrey, PE, CFM	
	Three [30]	Technologies, Techniques and Tips for	(Woolpert)	
	Louisiana's Odyssey Towards	Conducting Post-Flood Response in		
	Higher Standards: Statewide	Mecklenburg County, NC – James Scan-	Three [30]	
	Freeboard Requirement –	Ion, CFM, GISP (Mecklenburg County)	Uses of Topobathymetric LIDAR	
	Gary O'Neal, CFM (Tetra Tech)		and Teledyne Optech CZMIL	
		0 2		
		Page 2	updated 5/1/2024	

8:30- Noon	1-D Field Tour A Battleship North Carolina Flood Project Host: Dawn York and Jef (Moffatt & Nichol) Please board front of the hotel.	f Crump	1-E Hazard Mitigation Grant "Office Hours" (Soundwatch) Host: NCEM		
10:00 – 10:30	BREAK – Cinnamon Buns, Assort	ted Fruit, Yogur	t, Soft Drinks, Coffee (Prefui	nction Concourse)	
Note: Duration of individual presentations is in brackets [].	2-A Nature-Based Solutions Session (Airlie/Tidewater) Moderator: Jason Hetrick, PE, CFM (McCormick Taylor) One [30] What Do Nature-Based Solutions Look Like in Practice, and How Are They Vital to Flood Mitigation and Resiliency — Phillip Todd (Freese & Nichols) Two [30] What Nature-Based Solutions Are (and What They Are Not!) and How They Can Work with Gray Structural Flood Mitigation Practices — Crystal Moore and Kirsten Ullman, CFM (KCI) Three [30] Evaluating the Effectiveness of Woody Debris Removal for Mitigating Flooding — Jack Kurki-Fox, PhD, PE, NC State University, Biological & Agricultural Engineering Department)	2-B Innovative Technologies and Solutions Session (Masonboro) Moderator: Stephen Smith, CFM (Town of Ayden) One [30] Five Tips for "No Revisions Needed" Hazard Mitigation Plan Updates — Nathan Slaughter, AICP, CFM (ESP Associates) Two [30] Business Case and Goals Attained from Completing the Downtown Cramerton Parking & Stormwater Management Project — Danny Lee Watson, PE, CFM, PMP (LaBella Associates) Three [30] Floodplain Design, Construction & Impacts on Flood Insurance — Drew Gerling (Floodproofing.com)		2-C Mapping and Modeling Session (Causeway) Moderator: Kurt Golembesky, PE, CFM (NCDOT) One [30] 2D Diffusion Wave Transform Method for HEC-HMS – Barnard Mondal, PE and Ken Trefzger, PE (HDR) Two [30] Data-Driven Floodplain Management and Regulation in Clearwater, FL: Using Models and Maps to Take Future Conditions Into Account – Sophia Clavel (Forerunner) Three [30] Approach and Challenges in Calibrating Rain-on-Grid 2D BLE Hydraulic Models, Case Study – Paniz Mohammadpour, PhD (AtkinsRealis)	
Noon – 1:30 PM 1:30 – 4:30	Networking Luncheon – Create NFIP State Coordinator's Corne Scholarship Program – Ken Ashe Student Chapter	al			
	Clear Run Stream Restoration Project Host: Fred Royal (City of Wilmington) and Dawn York and Jeff Crump (Moffatt & Nichol) Please board the bus in front of the hotel.		(Soundwatch) Moderator: Steve Garrett, CFM (NCEM)		

rucsuay, may /	Step by Step III Local Co			
1:30 - 3:00	3-A Community Rating System (CRS) Session (Airlie/Tidewater) Moderator: Ken Vafier, CFM (New Hanover County) One [30] CRS Repetitive Loss (RL) Area Analysis (AA): You're Closer Than You May Think — Gary O'Neal, CFM (Tetra Tech) Two [30] Improve Multiple CRS Classes with Low-Hanging Fruit and Proper Documentation — Daryl Norris, PE, CFM (City of Greenville) Three [30] CRS: Is Your Community Living Up to Its Full Potential? — Gary O'Neal, CFM (Tetra Tech)	3-B Equity Ses (Masonboro) Moderator: Hi (NCORR) One [45] Advancing Equ An Engineer's Ummekulsoon Lauren Sester, Two [45] Integrating Eq	osion olly White, AICP, CFM uity in North Carolina:	3-C Nature-Based Solutions Session (Causeway) Moderator: James Scanlon, CFM (Mecklenburg County) One [30] Nature-based Design for Resiliency Purposes — Case Study: Using Bivalves to Decrease Scour in Place of Traditional Means — Joanna Quiah, MS, PE (Burns & McDonnell) Two [30] Funding Preparedness Kit: A List of Funding Essentials — Maie Armstrong (ESP Associates) Three [30] Putting the "Green" in the City of Greensboro's South Buffalo Creek Watershed Master Plan — Chris Stanley, PE, CFM; Cameron James, PE, CFM; and Hunter Freeman, PE, LEED AP (McAdams)
3:00 – 3:15	BREAK – Assorted Snacks and Soft	 t Drinks (Prefun	ection Concourse)	
3:15 – 4:30	4-A Mapping and Modeling Session (Airlie/Tidewater) Moderator: Laura Arnold, PE, CFM One [15] 2025 Datum Changes: Updates and Gary Thompson, PLS (NCGS) Two [30] Finding Solutions to Flooding Using and Community Engagement in the leigh — Elizabeth Karivelil (Brown & Three [30] Beneath the Surface: Unveiling Hid	e/Tidewater) erator: Laura Arnold, PE, CFM (AECOM) [15] Datum Changes: Updates and Reminders — Thompson, PLS (NCGS) [30] Ing Solutions to Flooding Using Modeling Community Engagement in the City of Ra- — Elizabeth Karivelil (Brown & Caldwell) [20] Three [30] Three [30] City of Aiken, SC Performance Even		<i>(</i>)
4:30 - 5:00	Close Out Silent Auction (Prefunction Concourse)			
6:30 - 9:00	Conference Social – Outdoor Palms of Lumina near pool: Low Country Boil, Games, Full Bar (2 drink tickets provided w/Cash Bar after). In the event of bad weather, the social will be held in the Lumina Ballroom.			
9:00 - Until	NCAFPM Hospitality Room (Room	# 652)		

Tuesday, May 7 "Step-by-Step in Local Communities"

Wednesday, Ma	ay 8 "Step-by-Step" Co	ntinued an	d Closing Plena	ary		
7:30 – 9:00 AM	Registration - CEC Check-in (Registration - CEC Check-in (Event Space Foyer, Lobby Entry)				
7:30 – 8:30	Coffee and Continental Break	Coffee and Continental Breakfast, Juices, and Fresh Fruit (Prefunction Concourse)				
8:30 - 10:00	5-A Dam Safety Session (Airlie/Tidewater) Moderator: Virginia Spillman (City of Greensboro) One [45] NCDEQ Dam Safety Program Updates – Jacob Smith (NCDE Two [45] Lewis Dam Failure: Dam Safe a Changing Climate and Lesse Learned – Holly Miller, PE, CF CPESC (Tetra Tech)	Design S (Mason Modera (City of One [30 City of V Stream Fred Ro and Jeff M, Bang fo Reduced Habitat was Imp ENVSP, Three [3 NC State - Travis	5-B Stream Restoration and Design Session (Masonboro/Causeway) Moderator: Alicia Lanier, PE, CFM, HSDP (City of Fayetteville) One [30] City of Wilmington Clear Run Branch Stream Restoration Project – Fred Royal, CFM (City of Wilmington) and Jeff Crump, PE (Moffatt & Nichol) Two [30] Bang for your Buck! How Flood Risk was Reduced, a Stream was Restored, and Habitat for a Listed Species and Trout was Improved – Emily Brown , PhD, PE, ENVSP, CFM (Freese & Nichols) Three [30] NC State Coastal Dynamics Design Lab – Travis Klondike , PLA, ASLA (NC State College of Design)		5-C Certified Floodplain Manager (CFM) Exam (Soundwatch) Moderators: Bill Tingle, PG, CFM and Melonee Brock, CFM (NCAFPM)	
10:00 – 10:30 AM		BREAK — Homemade Gourmet Cookies and Soft Drinks (Prefunction Concourse)				
10:30 – Noon	CLOSING PLENARY (Lumina E	-				
10:30 – 11:00	_	Advancements in Floodplain Management: A Focus on Transportation Research Board's Past and Present Research in Floodplain Management, Mapping and Resiliency – Kurt Golembesky, PE, CFM (NCDOT) [30]				
11:00 – 11:30	NCORR North Carolina Resili	NCORR North Carolina Resilience Exchange – Nicole Goddard (NCORR) [30]				
11:30 – Noon	Conference Closing and Prize Giveaways Ken Ashe, PE, CFM (Immediate Past Chair, NCAFPM) [30]					
Noon	CONFERENCE ADJOURNS					
		PRESEN'	TERS			
Michael Ali, PE Valerie Anderson, CFM Maie Armstrong, PE, CFM, MPA Ken Ashe, PE, CFM Scott Brookhart, PE, CFM Michael Ali, PE Travis Klondike, Jack Kurki-Fox, Ummekulsoom Alicia Lanier, PE		ılsoom Lalani, M		Nathan Slau Jacob Smith Chris Stanle JaLeesa Tate Gary Thomp Phillip Todd	y, PE, CFM e, CFM	

Sophia Clavel Chris Crew, CFM Jeff Crump, PE Barbara Doll, PhD, PE Hunter Freeman, PE, LEED AP Eryn Futral, AICP, CFM, CZO Steve Garrett, CFM Scott Gentry, PE, CFM **Drew Gerling** Nicole Goddard Steve Godfrey, PE, CFM Kurt Golembesky, PE, CFM Jason Hetrick, PE, CFM Cameron James, PE, CFM Tyson James, PE, CFM Elizabeth Karivelil David Key, PE, CFM

Colleen Kiley, GISP, CFM
Travis Klondike, PLA, ASLA
Jack Kurki-Fox, PhD, PE
Ummekulsoom Lalani, MPP, PM
Alicia Lanier, PE, CFM
Matt Lauffer, PE, CPM
Ryan Ligon
Steve McGugan
Holly Miller, PE, CFM, CPESC
Paniz Mohammadpour, PhD
Barnard Mondal, PE
Crystal Moore
Daryl Norris, PE, CFM
Gary O'Neal, CFM
Ross Perry, PE, CFM
Khaled Pordel, PE, CFM
Joanna Quiah, MS, PE
Marc Recktenwald
Fred Royal, CFM
Jeffrey Royal
James Scanlon, CFM, GISP

Lauren Sester, EI, CFM

Ali Shallal, PhD

Nathan Slaughter, AICP, CFM
Jacob Smith
Chris Stanley, PE, CFM
JaLeesa Tate, CFM
Gary Thompson, PLS
Phillip Todd
Ken Trefzger, PE
Kirsten Ullman, CFM
Kasen Wally
Danny Lee Watson, PE, CFM, PMP
Andrea Webster
Holly White, AICP, CFM
Alice Wilson, AICP, GISP

THANK YOU TO OUR SPONSORS

PLATINUM LEVEL











GOLD LEVEL















SILVER LEVEL



SILVER AND GOLF SPONSOR

