

ASFPM 2019 Program

Session A (Tuesday - 10:30AM-12:00PM) May 21					
A1: Flood Risk Communication After Wildfires					Risk Communication
232	Spencer	Higginson		National Weather Service	Flood Follows Fire: Oregon Post-Wildfire Flood Playbook - Resources for Community Leaders
87	Eugene	Kinerney		DHS/FEMA/FIMA	Burn Scars as Building Blocks: Lessons Learned From Flood-After-Fire Risk Communications
33	Lawrence	Frank	CFM	Atkins	Building Community Resilience Through Effective Risk Communication
A2: Flood Insurance Rating					NFIP
136	Andy	Neal	FSA	FEMA/FIMA	Risk Rating Redesign: Progress to Date and Next Steps
230	Phillip	Dunn	ANFI	National Flood Services	National Flood Insurance Program Pricing
285	John	Sun		Stream Methods. Inc.	Flood-Impacting-Threshold, InstaScore, and Precision-Rating: New and Powerful Tools for Differentiating Flood Risk
A3: Coastal Resilience Planning and Projects					Mitigation
323	Colin	Vissering	AICP, CFM	Witt O'Brien's	Ridge to Reef and Beyond – The Challenges and Opportunities of Hazard Mitigation in the U.S. Virgin Islands
164	Michael	Vecchio	PE	HDR	Evaluating the Vulnerability of Infrastructure to Coastal Storms - A Case Study
83	Rahul	Parab	PE, CFM, D.WRE	Dewberry Engineers	Innovative Coastal Flood Resiliency in Urban Environment: Red Hook Integrated Flood Protection System in NYC
A4: State Mapping Initiatives					Mapping
174	David	Knipe	PE, CFM	Indiana DNR	Floodplain mapping without (largely) FEMA – the Indiana Floodplain Mapping project
202	Dave	Guignet		Maryland Department of the Environment	The Maryland Resiliency Partnership: State Collaboration takes Risk MAP to New Levels
319	Rob	Evans	CFM	VT Dept. of Environmental Conservation	New Vermont Mapping, Regulation, and Training to Enhance Floodplain Protection
A5: When Hurricanes (In)Validate Models					Modeling
29	Joe	Walter	MBA, PE.	Atkins	From Swamp, to River, to Gulf: Complex 2D Modeling of the Withlacoochee River, Solved
55	Michael	Hanke	CFM	CDM Smith	Using Hurricane Harvey Data to Calibrate FEMA Risk MAP Study
231	Brian	Astifan	PE	National Weather Service	Interpreting Uncertainty in New River Basin Forecasts During Hurricanes Florence and Michael.

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A6: FEMA/Corps Levee Safety Session					Dams and Levees
314	Tammy	Conforti	PE	USACE	The Levee Safety Reunion Tour: Bringing the Band Back Together
A7: Local Stream Restoration Case Studies					NBF
93	Miles	Hebert	PE, CFM, LEED Green	EMH&T	West Water Run Stream Restoration and Flood Mitigation Project
265	James	Woidt	PE	Shumaker Consulting Engineering and Land Surveying, DPC	Reducing Flood Risk by Restoring Natural Processes: The Sidney Greenplain Project
261	Byron	Hinchey	PE	S&ME, Inc.	Rehabilitating an Urban Stream within a Multi-Modal Infrastructure Project
A8: SHOWCASE 1					Showcase
Session B (Tuesday - 1:45PM-3:15PM) May 21					
B1: Research Findings and Risk Communication					Risk Communication
71	Shrupti	Shah		Deloitte	Leveraging Behavioral Insights to Improve Messaging and Increase Insurance Coverage
104	Priscilla	Scruggs		FEMA	The Evolution of Communicating Risk: A Conversation with FEMA's Data and Communications Branch
42	Kristin	Murphy	ICAgile Certified Profe	Booz Allen Hamilton	Why take a rational approach to a predictably irrational problem? Understanding the role of mental shortcuts and cognitive biases in the way our brains process risk and probability
B2: CRS: National and State Perspectives					NFIP
106	Bill	Lesser	CFM	FEMA	Community Rating System Update: Plain and Simple!
192	Martin	Koch	CFM	Kansas Dept. of Agriculture - Division of Water Resources	How State Assistance with GIS Helps Communities Say 'Yes' to CRS
330	David	Stroud	CFM	Wood	One Dose of DMA and Two Doses of CRS: A "Cure" for a Successful Hazard Mitigation Plan
B3: FEMA Hazard Mitigation Grants and Policy					Mitigation
49	Eric	Kenney	PE, CFM	CDM Smith	HMA Application Development and Review – Applying Best Practices and Lessons Learned

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98	Michael	Herman		EY	FEMA Mitigation and Disaster Grants – Facts, Myths and Legends
234	Anna	Weber		Natural Resources Defense Council	Seeking Higher Ground: Timeframes and Characteristics of FEMA-Funded Floodplain Buyouts
B4: CTP Showcase					Mapping
5	Rigel	Rucker	PE, CFM	AECOM	Flood Risk CHAMPions
271	Tom	Morey	CFM, RS	Stantec	Leveraging Technical Assistance to Enhance Local Awareness and Mitigation Through Risk MAP
115	Laura	Algeo	PE	FEMA HQ	Lessons from the Field, CTP Program Project Management Best Practices
B5: Identifying and Mitigating Building-Specific Risk					Modeling
14	Shane	Parson	PhD, PE, CFM	AECOM	Incorporating Uncertainty of First Floor Elevations into Flood Risk Assessment Modeling
160	Stephen	Sands	PE, CFM	Hazen and Sawyer	Floodplain Buyout Program Prioritization Using Community-wide Watershed Models
18	Geoff	Uhlemann	PE, CFM	AECOM	The Nuts & Bolts of Probabilistic Modeling (and why it's awesome)
B6: Stormwater Management at the Watershed Level					Stormwater
173	Amanda	Flegel	PE, CFM	Illinois State Water Survey	Evaluating and Selecting Release Rates for Specific Watersheds in Cook County
249	Janet	Popielski	PE	Northeast Ohio Regional Sewer District	Stormwater Management: A Regional Approach
48	John	Aldrich	PE, D.WRE	CDM Smith	Stormwater Master Plan Solutions: Stream Flooding/Erosion Mitigation in the Cuyahoga River Watershed
B7: Post-Disaster Tech					Tech
2	Benjamin	Roberts	ASA	ABS Group	Artificial Intelligence: Pioneering New Tools for Efficient Flood Damage Estimation
229	J. Carver	Struve	CFM, AEB, ABCP	NASA HQ - ai solutions	NASA Disasters Program Support of Hurricane Florence Response
288	Victor	Acosta		T&M Associates (Compass JV)	Rapid Deployment of Small Unmanned Aerial System (sUAS) for Post-Hurricane Disaster Assessment
B8: SHOWCASE 2					Showcase

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Session C (Tuesday 3:45PM-5:15PM) May 21					
C1: Flood Risk Disclosure: Intersection of Regulations and Risk Communication					Risk Communication
235	Joel	Scata	esq	Natural Resources Defense Council	Improving Disclosure Laws so Home Buyers are Not Kept in the Dark about Flood Risk
255	Lisa	Foster	CFM	Pinellas County	Engaging Real Estate Agents in Flood Risk Communication
253	Kent	Wilkins	CFM	OWRB	Dam Ownership Risks and Burdens: Raising Public Awareness through Educating Real Estate Agents
C2: Holistic/Watershed Floodplain Management					NFIP
282	Jeffrey	Giering	CFM	State of Louisiana	Louisiana Watershed Initiative - Working Together for Sustainability and Resilience
121	Bret	Gates		FEMA Mitigation Environmental Science Associates	Learn How FEMA-USFWS-NMFS Partner to Promote Conservation of Threatened and Endangered Species
95	Spencer	Easton	CFM		The Puyallup Watershed: A Case Study in Integrated Floodplain Management
C3: Professional Research on Hazard Mitigation Policy					Mitigation
88	John	Miller	PE, CFM, CSM	DHS-FEMA	Flood Mitigation and Sea Level Rise Adaptation Driven by Municipal Credit Rating
322	Jeffrey	Czajkowski		Wharton Risk Management and Decision Processes Center	Pluvial Flood Risk
298	Matthew	Fuchs	J.D.	The Pew Charitable Trusts	Profiles in Flood Mitigation: Overcoming Barriers to Designing and Implementing Effective Policies
C4: Mapping Urban Flood Risk					Mapping
105	Siamak	Esfandiary	Ph.D., P.E.	FEMA	Who'll Map the Rain? Capturing Pluvial Flood Risk
180	Elise	Ibendahl	PE, CFM, ENV SP	Jacobs Engineering	Equity and Resilience in Urban Flooding: The Elephant in the Room
309	Kingsley	Allan	CFM, GISP	Univ. of IL / Illinois State Water Survey	Flooding Outside the Lines: Applying TWI to the Problem of Urban Flooding
C5: Creative Methods for Real-Time Forecasting					Modeling
287	Peter	Singhofen	PE	Streamline Technologies, Inc.	Adapting National Water Model Forecast Data to Local Hyper-Resolution H&H Models
146	Ed	Dickson	PE, CFM	Freese and Nichols, Inc.	"Hurry" cane Modeling: Forecast Modeling to Optimize Limited Resources with Limited Time
3	Efrain	Giron Maglioni	Ph.D., P.Eng.	Advisian/WorleyParsons	PSEG-LI Stormsurge Flood Modeling and Flood Mapping for Long Island New York using waterRIDE™

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C6: Mapping Dam and Levee Risk					Dams and Levees
11	Michael	Seering	PE, CFM, PMP	AECOM	Reaching Milestones in Mapping Non-accredited Levees
281	Tiffany	Coleman	PE, CFM	STARRII (Stantec)	Uses of DSS-WISE to support Risk Map: Tips, Tricks and Tools for Rapid Inundation Risk Modeling
289	Kim	Dunn	D.WRE, P.E., CFM	T&M Associates, Compass JV	A GIS-Based Tool to Prioritize FEMA Levee Mapping Updates
C7: Lessons Learned for Substantial Damage Determinations					Post-Disaster
236	John	Brubaker	PE, CFM	NC Dept of Public Safety	Substantially Damaged...Again
263	Jessica	Artz	CFM	SC DNR	Lessons Learned from Four Years of Substantial Damage Assessments in South Carolina
119	John	Ingargiola	EI, CBO, CFM	FEMA HQ Building Science	Answers to Questions about Substantial Damage in the Post-Disaster Environment
C8: SHOWCASE 3					Showcase
Session D (Wednesday 10:30AM-12:00PM) May 22					
D1: Innovations and Technology in Risk Communication					Risk Communication
313	Ibrahim	Demir	PhD	University of Iowa	Next Generation Information and Communication Systems for Flooding
103	Peter	Herrick, Jr.		Federal Emergency Management Agency (HQ)	Making Mitigation Mainstream
257	Catherine	Ipsan		Radiant Solutions	The Observed Flood Extent: Using Multispectral Satellite Imagery to Detect and Map Historical Flood Events
D2: Social Justice Factors in Floodplain Management					NFIP
35	Erin	Capps	JD	Atkins	Low Income Populations: Underrepresented Socially; Overrepresented as Victims of Natural Disasters. Using the Law to Solve a Serious Problem
70	Alexis	Cunningham		CSO & ASFPM	Socioeconomic Factors Affecting Coastal Communities' Participation in CRS
197	Mitch	Paine	CFM	King County	Equity & Social Justice: What King County, Washington is Doing to Manage Floodplains More Equitably
D3: Risk Assessments to Improve Transportation Infrastructure Resilience					Mitigation

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318	Janey	Camp	PhD, PE, GISP, CFM	Vanderbilt University	Resiliency, Emergency Management, Case Studies, Applied & Academic Research
43	Harry	Katz	CFM	Boulder County	Using Best Available Floodplain Information to Increase Resiliency
215	Jeffery	Crump	PE	Moffatt & Nichol	Assessing the Vulnerability of Transportation Infrastructure to Climate Stressors in San Diego, California
D4: Mapping Issues with Sea Level Rise and Coastal Erosion					Mapping
76	Brian	Batten	PhD, CFM	Dewberry	30-Years of FEMA Sea Level Rise Studies and Future Focus Areas
130	Ken	Hinterlong		FEMA Region V	Great Lakes Coastal Flood Hazard Studies Are More Than Meets the Eye
112	Christina	Lindemer		FEMA	Modernizing Coastal Erosion and the Primary Frontal Dune
D5: Modeling for Local Flood Risk Planning					Modeling
151	David	Roman	PE, CFM	Geosyntec Consultants	Future Floodplain Modeling and Visualizations in Southeastern New Hampshire
38	Rodrigo	Fernandes	PhD., MSc., Senior Co	Bentley Systems, International Limited	Lisbon Flooding Problematics - Proactive Decision-Making Supported by a Novel Integrated Numerical Modeling Approach
225	Chad	Boyer	PE, CFM	ms consultants, inc.	Regional Flooding Challenges and Approaches – City of Canfield Bradford-Briarcliff Flood Mitigation Study
D6: Stormwater Asset Management Tools					Stormwater
237	George	Remias	PE	NEORS	An Urban Stream Manager's Guide to Field-Based Master Planning
207	Chris	Hill	GISP, CFM	Meshek & Associates, LLC	GIS Showcase: FPA Tools for Stormwater Management
97	Neal	Banerjee	PE, CFM	ESP Associates, Inc	Enhancing Your Asset Management Strategy - Innovative Approaches in Stormwater Asset Collection and Evaluation
Session E (Wednesday 1:30PM-3:00PM) May 22					
E1: State and Local Risk Communication Initiatives 1					Risk Communication
107	Tony	Mendes	CFM	FEMA	Denver FloodWalk: Visualizing Flood Risk in an Urban Park
258	Kate	Skaggs	CFM	Resilience Action Partners	Letting it Flow: Sharing Local Stories that Inspire Personal Mitigation Action
148	Lee	Beshoner	PE, CFM	FTN Associates	Digital Outreach and Education for Rural Communities
E2: Floodplain Management Policy and Regulations					NFIP
34	Jennifer	Marcy	CFM	Atkins	The BFEs Are(n't) All Right: An Assessment of Elevation Certificates and Implications to the NFIP
62	Tom	Leatherbee	MCP, AINS, CFM	City of Del City	A Cumulative Standard for Substantial Improvement: Our Rocket to the Moon

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63	Clair	Davis	PE, CFM	City of Fort Worth	Managing Urban Floodplains in Fort Worth, Texas
E3: Mitigation through Better Building Performance					Mitigation
45	Manuel	Perotin	PE, CFM	CDM Smith	Evaluating your FPM building design and construction requirements in a post-disaster environment
120	Daniel	Bass	RA	FEMA HQ Building Science	Building Performance and Outreach after the Recent Hurricanes
69	William	Coulbourn		Coulbourn Consulting	Predicting Flood Damage using Probability Theory
E4: FEMA Mapping Tools and Resources					Mapping
239	Daniel	Horner	CFM, CSM	NiyamIT	FEMA Flood Map Tools for Floodplain Managers
279	Marshall	Rivers	CFM	STARR II (Atkins)	Capturing Data Delivery on the FEMA GeoPlatform
37	Naomy	Perez-Sanchez		Atkins, SNC Lavalin member	Supporting Local Government through Advisory Products and GIS Analysis
E5: 2D Modeling for State Programs					Modeling
13	Isaac	Allen	EI, CFM	AECOM	Regulating 2D Models – Opportunities and Lessons Learned from CHAMP
75	Jacob	Lesue	PE, CFM	Dewberry	The Future of BLE Data: How Louisiana is Using BLE Data to Supplement Their CTP Program
16	Davis	Murphy	PE, CFM	AECOM	Moving Forward in Kentucky: Approaches to 2D Modeling and Risk MAP Integration
E6: Dam and Levee Systems Management					Dams and Levees
167	Jonathan	Simm	PhD, CEng	HR Wallingford	Interfaces between Earthen Levees and Hard Structures: Understanding and Managing their Performance
52	Hui-Ming "Max"	Shih	Ph.D, PE, CFM	CDM Smith	Estimating and Evaluating Spillway Capacities of Guadalupe Valley Hydroelectric System Dams on Guadalupe River, Texas
280	Edward	Beadenkopf	PE, CFM	STARR II (Atkins)	Dam Rehabilitation Grant Program- Incorporating mitigation and floodplain management to reduce risk
E7: Restoring Natural and Beneficial Functions					NBF
25	Marla	Stelk	Assoc. of State Wetlan		Healthy Wetlands, Healthy Watersheds: Leveraging State Wetland Restoration and Protection Programs to Improve Watershed Health
23	Brad	Gordon	American Rivers		Restoring More Natural and Beneficial Functions of Floodplains
295	Kris	Johnson	The Nature Conservan	PhD	The Floodplain Explorer: Prioritizing Floodplain Restoration in the Mississippi River Basin

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E8: Sea Level Rise Adaptation					Coastal
150	Katie	Spidalieri	Attorney	Georgetown Climate Center	Retreating for Resilience: Legal and Policy Tools for Relocating Development from Floodplains
205	Vince	Geronimo	PE, CFM	Mead & Hunt	Adapting to Climate Change vs Traditional Flood Mitigation – What’s the Difference?
292	Sarah	Murdock		The Nature Conservancy	U.S. Federal Climate Resiliency Policy: Is it Advancing or Retreating?
E9: State Day - Mitigation					State Day 1
172	Ron	Davis	CFM	Illinois Department of Natural Resources / Office of Water Resources	15 Years as a SHMO - Lessons Learned
191	Tara	Lanzrath	CFM	Kansas Department of Agriculture	Community Technical Assistance: A Model for Mitigation Action
203	Joy	Duperault	CFM	Massachusetts Dept. of Conservation & Recreation	Successfully Integrating Climate Adaptation into the Massachusetts Hazard Mitigation Plan
Session F (Wednesday 3:30PM-5:00PM) May 22					
F1: Local Flood Warning Systems					Warning Systems
92	Kristina	Murphy	EIT, CFM	DuPage County, IL	Real-Time Dynamic Flood Inundation Mapping
246	Mia	Brown	CFM	North Central Texas Council of Governments	North Central Texas Collaborates on Flood Warning: A Cooperative Success Story
320	Andy	Yung	PE, CFM, D.WRE	Walter P Moore and Associates	The Future Is Now: Flood Forecasting in Harris County, Texas
F2: Guidance for Local Floodplain Administrators					NFIP
65	Joshua	Lippert	CFM	City of Philadelphia	Floodplain Forms: Floodplain Management Streamlined
264	Del	Schwalls	PE, CFM	Schwalls Consulting LLC	Navigating the New EC: Understanding the Changes and Updates to the FEMA Elevation Certificate
327	Stephen	Noe		Wood	Floodplain Management within a 2D Floodplain/Floodway Special Flood Hazard Area
F3: Floodproofing Successes					Mitigation

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44	James P.	Colgate	Esq., AIA, CFM	Bryan Cave Leighton Paisner LLP	Dry-floodproofing: Recent Case Studies in NYC
141	Katherine	Klosowski	PE	FM Global	Stories of Resilience: How Smart Companies Out-Smart Floods
178	Tyler	Jantzen	PE	Jacobs	Floodproofing Critical Infrastructure: the Tacoma Central Treatment Plant Flood Protection Project
F4: Advances in Mapping					Mapping
22	Tim	Benenati	CFM	AECOM	LOMA's for the Masses – A quick guide to multiple LiDAR LOMAs
159	Ataul	Hannan	PE, CFM	Harris County Flood Control District	MAAPnext - A Next Step to Evolving Floodplain Mapping
312	Tim	Stephens		University of Georgia	Informing floodplain management and hazard communication through probabilistic flood inundation maps
F5: Modeling Waves and Coastal Erosion					Modeling
337	Matt	Shultz	PE	Woods Hole Group	Wave Overtopping - A Key Piece in Predicting Coastal Flood Hazards
78	Jeff	Gangai	CFM	Dewberry	Modeled Storm Impacts Validated: Lake Ontario Spring 2017 Flooding Event
274	Rebecca	Aiken	EIT, CFM	Stantec	Modeling and Mapping Applications for Wave Overtopping on the Great Lakes
F6: Local Holistic Stormwater Management Approaches					Stormwater
64	Tom	Jacobs	PE, CFM	City of Lenexa, KS	Using Regional Stormwater Solutions to Promote Quality Sustainable Development
166	Ajay	Jain	PE, CFM	HR Green, Inc.	7th Avenue Creek Flood Mitigation and Flood Reduction Master Plan: Developing a Plan to Meet Multiple Objectives and Funding Opportunities
208	Richard	Fisher	PE, CFM	Metropolitan Water Reclamation District of Greater Chicago	Robbins, IL : Re-imagining Stormwater Investment
F7: Post-Disaster Responses to Recent Events					Post-Disaster
6	Ann	Terranova	CFM	AECOM	Emergency Home Repairs Virgin Islands – Creating the Program Identity to Achieve Success
47	Devin	Schultze	EIT, CFM	CDM Smith	Implementation of Hazard Mitigation under the Sector-Based Approach in Puerto Rico
128	Andrew	Martin	CFM	FEMA Region II	Positioning Mitigation Success in Puerto Rico Post-Maria
F8: Coastal Decision Support Tools					Coastal
306	Dana	Wright		U.S. Fish and Wildlife Service	Coastal Barrier Resources System Tools and Data Updates from the USFWS and FEMA

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241	Douglas	Marcy		NOAA Office for Coastal Management	Adapting Stormwater Management for Coastal Floods
181	Daniel	Tomczak	CFM	Jacobs Engineering Group	Community Involvement with the Monitoring of Water Levels and King Tide Events
F9: State Day - NFIP					State Day 2
140	Steven	Martin	CFM, CPM	Florida Div. Emergency Mgmt.	SCORE CAVs - A New Strategy on Building Regional and Statewide Flood Resiliency
200	Steve	Samuelson	CFM	KS Dept. Agriculture	First Steps to Correcting Violations
341	Traci	Sears		State of Montana	The EMAC Solution to Floodplain Recovery
Session G (Thursday 10:30AM-12:00PM) May 23					
G1: Communication During a Crisis					Risk Communication
233	Belkys	Melendez		National Weather Service	Communicating Flood Risk during Hurricane Florence in Eastern North Carolina
244	Gary	Thompson	PLS	North Carolina Emergency Management	NC FIMAN: Hurricane Florence Success Stories and Future Vision
290	Guillermo	Simón	P.E., CFM	Taylor Engineering, Inc.	Communicating the Risk from Coastal Storms: An Unresolved Issue
G2: Local CRS Successes					NFIP
198	Dennis	Dixon	CFM	King County	Success with CRS: Lessons from Class 2 Communities
184	Maggie	Talley	CFM	Jefferson Parish	Class 5 CRS Community – It Can be Done
171	Marilyn	Sucoe	PE, CFM	IDNR/OWR	Repetitive Loss Area Analysis: Why Everyone Needs One
G3: Hazard Mitigation and Resilience Planning					Mitigation A
219	Mike	Robinson	CFM	Moffatt & Nichol	David, Meet Goliath: How Small Communities are Facing Down Big Flood Issues
316	William "Drew"	Parker	CFM, GISP	USEPA	Integrating Natural and Nature-based Infrastructure into Hazard Mitigation Plans: Creating Resilient and Sustainable Communities
275	Caroline	Cunningham	CFM, AICP, ABCP	Stantec	A Resilient Rancheria: Using Hazard Mitigation Plans to Centralize Information for Funding
G4: Predictive Inundation Mapping					Mapping
270	Maria	Cox-Lamm	CFM	South Carolina Department of Natural Resources	Advanced Forecasting and Mapping of Catastrophic Flood Inundation in South Carolina

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8	Kimberley	Pirri	PE, CFM	AECOM	Leverage it! Part 1: Models, Gages, and Topo... Forecasting Flood Damage
304	Jason	Sheeley	GISP	U.S. Army Corps of Engineers	Mapping the Flood Forecast – USACE Case Studies from 2017 and 2018 Hurricanes
G5: Leveraging Existing Data for Large Scale Modeling					Modeling
168	Reinaldo	Garcia	PhD	Hydronia LLC	21st Century Technology to Support 21st Century Flooding Solutions: Use of LiDAR, UAES, and High Performance 2D Numerical GPU Flood Simulations in the Cloud
54	Eli	Gruber	PE	CDM Smith	Enhancing Large-Scale 2D Hydraulic Models to Refined Local 2D Models with Floodways
328	Chris	Ide	PE, CFM	Wood	Base Level Engineering: 2D Methods from the Mountains to the Plains
G6: Complex Levee Projects					Dams and Levees
186	Dan	Fricke	PE, CFM	JEO Consulting Group	The Levee Vortex: Reaching Escape Velocity, Finally...Or Did We?
163	Vicki	Twerdochlib	PE, CFM	HDR	The Intersection of Roads and Levees: Challenges of Managing Dual Infrastructure
94	Shawn	Arden	PE, CFM	EMH&T	The Cannon Drive Levee: Flood Protection at The Ohio State University
G7: Sensors and Blockchain Applications in Floodplain Management					Tech
17	Ben	Schreib		AECOM	Enhanced Floodplain Management through the use of Widely Distributed Flood Sensor Networks
158	Jeremias	Alvarez	CSM, PMP	Guidehouse	Improving Dam Safety with Smart City Sensors
157	Kerry	Keys	CPA	Guidehouse	Improving Flood Insurance Compliance, Monitoring, Claims Processing, and Risk Assessments using Blockchain Technology
G8: Urban Flooding Mitigation Success					Mitigation B
31	Jamelyn Austin	Trucks	CFM, CGM	Atkins	Preparing for the New Normal and Challenging the Process for Integrated and Large Scale Solutions for Mitigation
72	Kees	Nederhoff	MSc	Deltares	Participatory Approaches to Increasing Flood Resilience at Urban Areas: Cases in the US and The Netherlands
187	Kevin	Kruse	PE	JEO Consulting Group, Inc	56th & Morton – Lincoln, NE - Flood Mitigation Takes Time, Money, and Cooperation: A Story of Persistence
Session H (Thursday 2:00PM-3:30PM) May 23					
H1: Partnerships in Risk Communication					Risk Communication
60	Kenneth	Schwab	PE, CFM	City of Broken Arrow	The Together Project - Tiger Creek Nature Park: A New Paradigm
315	Ashley	Stephens	CFM	USACE Huntington District	Ohio Silver Jackets Flood Risk Management Success Projects

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189	Jeffery	Harvey	DEL, CEM	JH Consulting, LLC	Sharing Leadership: Building Mitigation Coalitions that Do More than Just Talk
H2: Flood Insurance: Uses, Changes, and Reports					NFIP
204	Joe	Rossi	CFM, ANFI	Massachusetts Coastal Coalition	Flood Insurance As a Tool Of Community Resiliency
133	Lloyd	Hake		FEMA, Federal Insurance Directorate	Don't Stop Believin' - Believing in Change and our Commitment to Customers
123	Rhonda	Montgomery	CFM	FEMA Office of the Flood Insurance Advocate	The Office of the Flood Insurance Advocate (OFIA) 2018 Annual Report and Progress Report
H3: Advice and Lessons Learned for Flood Elevation Projects					Mitigation
266	Sean	O'Leary	CFM	SJ Hauck Construction, LLC	Home Elevation is the Most Viable Option of Flood Mitigation
66	Kimberley	Tempesco	CFM	City of Virginia Beach	Simplifying FMA Projects by Removing the Locality from the Contracts
90	Roderick	Scott	CFM	Ducky Johnson Home Elevation, LLC	An Elevation Company Experience After Sandy in NY/NJ
H4: CNMS Applications					Mapping
276	Bradford	Hartley Jr.	GISP, CFM	Stantec Consulting Services, Inc.	Mapping the Unmapped: Where do we Start?
9	Darryl	Hatheway	CFM	AECOM	CNMS for Coastal Risk Management, What communities need to know
169	Eliza	Ledwell	CFM	IBM	Submitting Flood Hazard Mapping Needs to FEMA and Tracking Flood Study Actions
H5: Modeling for Transportation Design and Mitigation					Modeling A
137	Scott	Hogan	PE	FHWA	Overcoming Barriers in the Use of 2D Hydraulic Modeling
147	David	Rivera	PhD, PE, CFM	Freese and Nichols, Inc.	Testing the Waters: How H&H and Drainage Drive the Texas Bullet Train
218	Ryan	Smith	PE	Moffatt & Nichol	Understanding Flood Resiliency in Princeville, North Carolina
H6: Stormwater BMPs on the Horizon					Stormwater
96	Bryan	Hummel		EPA Region 4	Nature-Based Solutions to Flooding, Drought, and Groundwater Decline
201	Stefano	Rignanesse		Maccaferri Inc.	Experiences with Erosion Control Applications across the United States
221	Kari	Mackenbach	CFM, BCES, ENV SP	ms consultants	Green Stormwater Infrastructure for Increased Resiliency and Flood Risk Reduction

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NBF					
H7: Natural and Beneficial Function Restoration and Floodplain Management					
154	Ivan	Valentic	GPD Group	ASLA, PLA	Targeted Stream Restoration
272	Rich	Pfingsten	Stantec	PWS	Case Studies of Floodplain and Stream Restoration Projects and their Potential Use for Flood Hazard Mitigation and Community Resilience
293	Stevie	Adams	The Nature Conservancy	CFM	Assessing floodplain function for more informed land use decision making
H8: Evaluating Complicated Hydrology					
Modeling B					
317	Tyson	Walsh		USMA	Assessment of Uncertainty in Doppler Radar Estimated Precipitation
329	Brad	Bettag	PE, CFM	Wood	Application of Bulletin 17C on the Arkansas and Colorado Rivers
84	Ted	Cassidy	PE, PH (Hydrologist)	Dewberry Engineers Inc.	Rethinking the Applicability of Current Flood Frequency Analysis for the 1% and 0.2% Events
Session J (Thursday 4:00PM-5:30PM) May 23					
J1: State and Local Risk Communication Initiatives 2					
Risk Communication					
325	Patrick	Dobbs	PE	Wood	Comprehensive Floodplain Management and Mitigation Information at Your Fingertips
196	Carey	Johnson		Kentucky Division of Water	Blue Moon: Kentucky's Contributions to FEMA's Moonshots
214	Darryl	Rockfield, Jr		Missouri State Emergency Management Agency	A Tool to be "In The Know" Prior to Your Next Community Meeting
J2: International Perspectives on Flood Risk Management					
NFIP A					
1	Jessica	Ludy	CFM	ESA	Is it Time to Ditch the 1%? (...and I'm not Talking About Wall Street)
57	Klaus	Piroth	PhD	CDM Smith Consult GmbH	Flood Risk Management in Germany – The Impact of the EU-Flood Directive and Lessons Learned from the 2002 and 2013 floods
310	Anna	Serra-Llobet	PhD	University of California, Berkeley	Taking Levees into Account in Flood Maps: Comparing US and France
J3: Risk Assessments					
Mitigation					
117	Jesse	Rozelle	GISP	FEMA HQ	OpenHazus: the Future of FEMA's Hazus Loss Estimation Tool
213	David	Murphy	PE, CFM	Milone & MacBroom, Inc.	Making Rhode Island Small Businesses Resilient to Flooding and Severe Storms
291	Sandra	Davis	M.SC., P.Eng.	The City of Calgary	A Beautiful Flood Barrier: One Part of Calgary's Multi-layered Approach to Flood Resiliency
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321	David	Curtis	Ph.D.	WEST Consultants	Changing Flood Reference Elevations is Relative but it is a Big Deal!
242	Christine	Gallagher		NOAA's National Geodetic Survey	Digging for Datums and Aligning Aerial Imagery
240	Ashley	Chappell		NOAA	The 3D Nation Elevation Requirements and Benefits Study - Preliminary Results
J5: Wait, You Want to Model What? Modeling Unique Features					Modeling
199	Bryan	Martindale	PE, CFM	Knight E/A	What Happens When the Bottom Drops Out?
224	Anil	Tangirala	PE, CFM, ENV SP	ms consultants, inc.	Regional Flooding Challenges and Approaches – Huntington, WV Flood Mitigation Study
326	Felipe	Dias	EIT, CFM	Wood	Save Fame Studios: 2D Sinkholes with Floodways in Muscle Shoals, Alabama
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58	Sheila	McKinley	AICP, CFM	Christopher B Burke Engineering LLC	Lessons Learned from 20+ Flood Response Plans
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