

ASFPM 2018 DRAFT PROGRAM

Session A (Tuesday - 10:30AM-12:00PM) June 19						
A1: Real Time Modeling						Modeling
4	John	Pritchard	PE, CFM	Wood Rodgers, Inc.	Integrating Social Vulnerability and Flood Safety Modeling	
102	Chris	Ferrari	PE, CFM	GEI Consultants	Improving the Flood Intelligence for the Sacramento River System using the California-Nevada/National Weather Service Flood Forecast Data	
142	Brantley	Thames	PE - TN	USACE	Real-Time Flood Forecasting in Nashville, TN using HEC-RTS	
A2: Large Scale Assessments of Mitigation Options						Mitigation
63	Caroline	Cunningham	CFM, AICP, ABCP	Stantec	Go, Collaborate, and Mitigate! Coordinated Solutions Floodplain Management and Risk Reduction	
60	Geoff	Brownell	PE, CFM	Michael Baker International	Hazus – More Than a Loss Estimator – Using Hazus as a tool for Drainage Master Planning	
7	Ellie	Graeden	PhD	Talus Analytics	Linking Flood Risk to Resilience: A Decision Support Tool for Risk-based Resilience Investment	
A3: Community Rating System: State and Local Initiatives						NFIP
76	Monica	Farris	PhD, CFM	University of New Orleans Center for Hazards Assessment, Response & Technology (UNO-CHART)	Developing a CRS Strategy for the State of Louisiana	
78	Ronald	Flanagan	CFM	Flanagan & Associates LLC	Repetitive Loss Area Planning- The Tulsa Model	
178	Josh	Overmyer	CFM	Florida Division of Emergency Management	The Florida CRS Initiative: Providing State Support of Municipal CRS Programs	
A4: 2017 Hurricanes in Review						Recent Events in Review
177	Victor	Hom	BSCE, MSEE, PE	NOAA NWS	NWS Synopsis of 2017 Hurricanes Harvey, Irma, and Maria	
280	Jeff	Gangai	CFM	Dewberry	The Storm Surges Impacts of the 2107 Hurricane Season	
315	Jonathan	Westcott	PE	FEMA	Still Standing?: Building Performance in the 2017 Hurricane Season	
A5: Factors Affecting Levee Performance						Dams & Levees
90	Larry	Roth	PE, GE, ENV SP	Arcadis U.S.	Risk Analysis of Vegetation on Levees	
114	Ben	Gouldby	Bsc. (Hons)	HR Wallingford	15 Years of Development of Fragility Curves for UK Levees: Lessons Learned for the US	
151	Bryan	Scholl	PhD, PE	WEST Consultants	Sandy or Clayey Levees: What it Means for Levee Resiliency	
A6: Web-Based Tools for Risk Communication						Risk Communication
300	Vincent	Brown		FEMA	Hide Tides and High Returns: How a Low Cost Communication Method Can Transform Your Information Flow	
108	John	Dorman	N/A	North Carolina Emergency Management	Next generation flood hazard risk communication website – WWW.FLOOD.NC.GOV	
157	Clay	Campbell	PE, CFM	WOOD	Comprehensive Flood Information at Your Fingertips	
A7: Transforming the Flood Mapping Program						Mapping
283	Vince	DiCamillo	PMP, CFM	Stantec	FEMA's Mapping Program – Past, Present, and Future	
March	Rick	Sacbibit	PE	FEMA	Risk MAP Exploratory Innovation Products, Part 2	
103	Eliza	Ledwell	CFM	IBM	One Stop Shop to Access FEMA's Best Available Flood Risk Information	
A8: SHOWCASE 1						Showcase
Session B (Tuesday - 1:45PM-3:15PM) June 19						
B1: Urban Stormwater Flooding Analysis						Modeling
8	Yangbo	Chen	Professor	Sun Yat-sen University	Evaluating and adapting the impact of urbanization on watershed flood risk	
129	Reem	Zoun	PE, CFM	City of Austin	The City of Austin Local Flood Risk Reduction: Prioritization, Challenges and 2D Modeling	
269	John	Covey	PE, CFM	WOOD	Identifying Flood Risk in Unmapped Urban Environments	
B2: Climate Adaptation in Resilience Planning						Mitigation
24	David	Murphy	PE, CFM	Milone & MacBroom, Inc.	Critical Facilities Assessment for Southeastern Connecticut: Strategies for Flood Resilience	
132	Kristen	Gelino	CFM	Tetra Tech	Integrating Adaptive Capacity Assessment into Mitigation Planning	
319	Shana	Udvardy	CFM	Union of Concerned Scientists	Rising Seas Hit Home for US Coastal Communities: Using Response Time Wisely	
B3: International Approaches to Floodplain Management						NFIP
218	Jessica	Ludy	CFM	Environmental Science Associates	The Case for Tolerable Risk Guidelines to Manage Flood Risk	
252	Anna	Serra-Llobet	PhD	University of California, Berkeley	Flood Risk and the NFIP: International Perspectives and Opportunities for the U.S.	
261	David	Powers	PE, PH, D.WRE, CFM	Watershed Systems	Applying risk-informed floodplain management lessons from overseas in the USA	
B4: Local Disaster Recovery Case Studies						Post Disaster
170	Josh	Sherman	PE	City of Longmont	Resilient St. Vrain Project! Planning, Design and Construction to Reduce Future Flood Risk	
288	Kevin	Barlow		Colorado City Fire Department	Lessons Learned From 2015 Colorado City, Arizona Flash Floods	
14	Jeff	Jacobs	PhD	USACE	Cedar Rapids Flood Risk Management: A Case Study in Flood Disaster Recovery	
B5: Natural and Beneficial Floodplain Functions in Holistic Floodplain Management						NBF
299	Marla	Stelk		Association of State Wetland Managers	Integrated Floodplain, Wetland and Riparian Mapping: Leveraging Ecosystem Functions to Reduce Risk	
77	Eileen	Shader	CFM	American Rivers	Floodplain Restoration in the Upper Mississippi Basin: Connecting the dots between floodplain management and water quality	
110	David	Radabaugh	CFM, AICP	Department of Ecology	State of Washington Floodplain Management and Natural Beneficial Functions	

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B6: Building Support for Floodplain Management

1	Steve	Samuelson	CFM
119	Claire	Jubb	AICP, CFM
241	Mark	Boone	CFM

Kansas Dept. Agriculture
Charlotte County Board of County Commissioners
Mecklenburg County

Political Support for Local Floodplain Management Programs
State and Federal Policy making: How to get involved at a local level.
Putting the Storm in Your Media Strategy

Risk Communication

B7: CTP Initiatives

206	Laura	Algeo	PE
88	Thuy	Patton	MPA, CFM
246	Stephen	Noe	

FEMA
Colorado Water Conservation Board
Wood

Performance Measures for the CTP Program - How to make them work for your mapping project
Colorado Hazard Mapping Program (CHAMP) - Lessons Learned
Missouri PIR Counties with Risk MAP Infusion – Bootheel of Missouri

Mapping

B8: SHOWCASE 2

Showcase

Session C (Tuesday 3:45PM-5:15PM) June 19

C1: Coastal Modeling and Analysis

89	Tanveer	Chowdhury	P.E., CFM, CPESC
295	Reinaldo	Garcia	PhD
172	Brian	Batten	Ph.D., CFM

USACE
Hydronia LLC
RAMPP (Dewberry)

Hydrodynamic Two-Dimensional Coastal Circulation Modeling for Cell 5AB of Poplar Island, MD
Let it Rain on your mesh: Integrating Hydrologic and Hydraulic Modeling to Simulate Hurricane Flooding in Coastal Areas
Exploring Future Conditions Modeling and Mapping through the FEMA Florida Sea Level Rise Pilot Study

Modeling

C2: Local Mitigation Initiatives

214	Alan	Turner	P.E., CFM
73	Rahul	Parab	PE, CFM, D.WRE
94	Scott	Choquette	CFM

CH2M

Dewberry
Dewberry

The Resilient St. Vrain Program: Collaborative Recovery from the 2013 Colorado Floods
Strategy to Implement a Flood Risk Reduction System in an Urban Environment - Rebuild by Design- Hudson River Project in Hoboken, Jersey City and Weehawken
The NYC Residential Technical Assistance Pilot Program (RTAPP): Increasing Resilience - Lowering Flood Insurance

Mitigation

C3: Compliance and Enforcement

79	Brian	Varrella	PE, CFM
33	Alan	Johnson	PE, CFM
59	Bradford	Hartley Jr.	GISP, CFM

Colorado DOT
FEMA Region 6
Stantec

No-Rise, No Problem; Managing Infrastructure in FEMA Floodways
Win-Win - Base Level Engineering Data Supports Local Oil & Gas Permitting
Geospatially Mitigating Violations into Compliance

NFIP

C4: Stormwater Management in the Desert

281	Kieran	Sikdar	CFM
29	John	Wise	PE, CFM, EnvSP
306	Ricardo	Aguirre	PE, CFM, WHC, AP, ENV SP

Watershed Management Group
Wise Engineering LLC
HELM - Holistic Engineering and Land Management

Green Stormwater Infrastructure Case Studies in the Southwest for Flood Mitigation
Evaluation of GI/LID Benefits in the Desert Environment
A New Perspective in Stormwater Management

Arid Regions

C5: Local Levee Case Studies

284	Vicki	Twerdochlib	PE, CFM
304	Starr	Terrell	
257	Frank	Brown	PE, CFM

HDR
Federal Emergency Management Agency, Region VII, Risk Analysis Branch
Flood Control District of Maricopa County

Omaha Regional Flood Risk Reduction System - A Comparison and Contrast of Scale and Function

FEMA and USACE Collaboration on Levee Risk Communication – City of Clarkson, Nebraska
The FCDMC has Levees? A Flood Control District's Perspective on Levee Safety

Dams & Levees

C6: Engaging Communities in New Ways

242	Dennis	Dixon	CFM
308	Priscilla	Scruggs	
10	Carey	Johnson	

Pierce County Surface Water Management
FEMA
Kentucky Division of Water

Evolving to communicate risk
FEMA's Customer Experience Initiative: New Tools to Enhance How Flood Risk Information is Shared
Using Technology to Increase Flood Risk Awareness

Risk Communication

C7: Fostering Stakeholder Relationships & Ownership

270	Dane	Bailey	CFM
265	Vince	Geronimo	PE, CFM
309	Laura	Adleman	

KDA-DWR
AECOM
AECOM

Leveraging local leadership through a timely map review process
Transparency into FEMA's Appeal Process for the California Coastal Analysis and Mapping Project
Stakeholder Outreach and Engagement for the California Coastal Analysis and Mapping Project

Mapping

C8: SHOWCASE 3

Showcase

Session D (Wednesday 10:30AM-12:00PM) June 20

D1: Modeling Infrastructure in a Changing Climate

20	Bryan	Martindale	PE, CFM
19	Scott	Hogan	PE
141	Alex	Coronel	PE, CFM

Knight E/A
Federal Highway Administration
Wood

Regulate, Litigate or Capitate
Advancements in Two-Dimensional Floodplain Modeling with SRH-2D
Comparing Three 2D Software Packages for Modeling and Designing Highway Drainage Structures

Modeling

D2: Proving Mitigation Effectiveness

18	Lawrence	Frank	CFM
238	Laurie	Bestgen	CFM
166	Janey	Camp	PhD, PE, GISP, CFM

Atkins North America
FEMA Region VII
Vanderbilt University

Flood Reduction Lessons Learned after Major Disasters: Mitigation Project Performance Post-Harvey and Irma
Mitigation Effectiveness Study – Beatrice, Nebraska
Tearing Down Homes to Build Community Resilience – An Evaluation of the Benefits of the Nashville Home Buyout Program

Mitigation

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D3: Higher Floodplain Management Standards					NFIP
40	French	Wetmore	CFM	French & Associates, Ltd.	Adopting Higher Regulatory Standards
n/a	Mary-Carson	Stiff	JD, CFM	Wetlands Watch	The Costs and Benefits of the CRS Program in Virginia
293	Nick	Shufro		FEMA	Providing Credible Flood Risk Data to Help Communities Implement Higher Floodplain Management Standards
D4: Post-Disaster Rapid Assessments					Post Disaster
187	Stephen	Veith	CFM	Tetra Tech	Substantial Damage Estimation: Using Hazus-MH as a Screening Tool After Hurricane Harvey
56	Jane	Frantz	AICP, PMP, CFM	Dewberry	Fast and Furious: Use of Remove Damage Assessment during Harvey, Irma, and Maria
310	James	Johnston	CFM, GISP	AECOM	Reducing Time and Cost of Substantial Damage Estimates After a Disaster; Lessons from the Hurricane Harvey Substantial Damage Task Force Analytics Cell
D5: Holistic Floodplain Management Case Studies					NBF
68	Ranko	Pudar	PMP, PE, CFM	Pudar Mitigation Consulting, Inc.	Utilizing Ecosystem Services and Nature-Based Solutions in Reducing Flood Risks in Central Europe
156	Matt	Van Deren		Earth Economics	“Win-Win” Decision-Making: Using Holistic Benefit-Cost Analysis to Evaluate Floodplain Management Projects
221	Cat	Bowler		The Nature Conservancy	Linking Policy and Practice: Models for State Natural Infrastructure Policy
D6: Flood Warning Systems					Flood Warning Systems
264	Becca	Fricke-Croft	CFM	Atkins North America	Building a RAFT: Advanced methods for linking forecasts and stream gages for rapid flood assessment
302	Peter	Acton	PE	JE Fuller Hydrology & Geomorphology, Inc.	Integration of Advanced Flood Warning Technologies
133	Jim	Keith	PE, CFM	Walter P Moore	Floodfeed: You Won't Believe These 3 Nomographs That Predict Your Flood Elevation!
Session E (Wednesday 1:30PM-3:00PM) June 20					
E1: Innovations in Analyzing H&H					Modeling
212	Andrew	Reicks	CFM	CDM Smith	MATS-TC: Automating Time of Concentration Through Multidisciplinary Collaboration
39	Andrew	Park-Friend	PE	Michael Baker International	Not Your Father's Manning's n: Adjusting Manning's n values for 2D Modeling
321	Siamak	Esfandiary	PhD, PE	FEMA	Structure-level Risk Assessment Using Monte Carlo Method Coupled with 2D Hydraulic Modeling
E2: Mitigation Techniques and Case Studies					Mitigation
100	Roderick	Scott	CFM	L & R Resources, LLC	Steps to Elevation - International Association of Structural Movers flood hazard mitigation program
111	Tim	Murphy	PE, CFM	Flood Control District of Maricopa County	Solving Repeated Flooding Problems One Structure at a Time
263	Shandy	Heil	CFM	LSU AgCenter	Repairing the Homes that “Weren't Supposed to Flood”: Flood-Hardy Restoration for Code Compliant Structures
E3: Flood Insurance: Policy and Process					NFIP
53	David	Stearrett	CFM	FEMA	The Office of the Flood Insurance Advocate (OFIA) 2017 Annual Report
234	Josh	Price	CFM, GISP	MassiveCert	Seriously, why is my Flood Zone Determination Wrong!? Answers From an Insider.
251	Bruce	Bender	CFM	Bender Consulting Services, Inc.	Private vs. Federal Flood Insurance - What to Know. What to Ask.
E4: Modeling and Mapping Re-delineations of Alluvial Fans					Arid Regions
254	Shimin	Li	PE, PhD	Flood Control District of Maricopa County	Re-delineation for Two Alluvial Fans in Scottsdale and Phoenix, Maricopa County, Arizona
13	Mike	Kellogg	PG, CFM, GISP	JE Fuller/Hydrology & Geomorphology, Inc.	Neffs Creek – Assessing the Flooding Hazards on an Urbanized Alluvial Fan
215	Seunggho	Song	CFM, PE	CDM Smith	Desert Mountain Flood Modeling Showdown
E5: USACE & FEMA Working Together with Your Help to Address the Nation's Levee Challenges					Dams & Levees
16	Steve	Fink	PE	USACE	
	Suzanne	Vermeer		FEMA	
	Jim	Murphy		AECOM	
E6: GIS Tools, Data, and Floods					Risk Communication
135	Peter	McCarthy	Hydrologist	USGS	StreamStats: A web-based application for retrieving basin characteristics and streamflow statistics (such as the 1-percent flood) for gaged and ungaged streams.
184	Chris	Doscher	GISP	CDM Smith	The Workmap Geoportals: A Tall Drink of Water in a Digital Desert
145	Joanna	Rohlf	GISP, CFM	Wood	Using GIS to Increase Outreach and Data Accuracy for the Risk MAP program currently in the State of Missouri
E7: Advances with Survey Data					Mapping
28	Mark	Seidemann	PE, GISP, CFM	STARR II / Stantec Consulting Services Inc	Innovative survey solutions to limited survey budgets.
267	Christine	Gallagher		NOAA National Geodetic Survey	NAVD88 No More: A Modernized Vertical Datum for the Future
116	Neal	Banerjee	PE, CFM	ESP Associates, P.A.	Knowledge (Data) is Power – Innovative Applications of Data to Increase Your Watershed Management Intelligence
E8: Stormwater Management Integration Case Studies					Stormwater
124	Michelle	Gonzales	CFM	Jefferson Parish	Resilient Mitigation Planning Leads to Jefferson Parish Green Infrastructure Implementation
161	J. Scott	Pippin	JD, CFM	University of Georgia	Integrated stormwater planning for flooding resilience, water quality, and community values
17	Kingsley	Allan	GISP, CFM	Illinois State Water Survey	Assessing Potential Opportunity Areas for Developing Stormwater Management Facilities in suburban Cook County: Nothing fancy, just meat-and-potatoes GIS
E9: New State Floodplain Management Initiatives					State Day
186	Steven	Martin	CFM, CPM	Florida Division of Emergency Management	Florida's CRS/CAV Pilot Program – A Pathway to Flood Resiliency
61	Tara	Lanzrath	CFM	Kansas Dept. Agriculture	Grid-Based Zone A BFEs: Now Streaming on a Portal Near You

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148		John	Brubaker	PE, CFM	North Carolina Department of Public Safety	The North Carolina Certified Floodplain Surveyor (CFS) Pilot Program	
Session F (Wednesday 3:30PM-5:00PM) June 20							
F1: Reviewing and Understanding 2D Models for Local Officials							
130	Sravan	Krovodi	PE, CFM	Wood	Empowering Floodplain Administrators on 2D Hydraulic Modeling using HEC-RAS Case Study	Modeling	
3	Rudy	VanDrie	PEng	Wollongong City Council	Who is Responsible for Checking Flood Models?		
112	Cameron	Jenkins	PE	Atkins North America	How to Review 2D Models and what to Submit in Client Submittals		
F2: FEMA Mitigation Grants: Process and Considerations							
138	Eric	Kenney	PE, CFM	CDM Smith	Lessons Learned from 2017 FMA and PDM Grant Reviews – Best Practices for Application Development	Mitigation	
32	Hilary	Kendro	AICP, CFM	Atkins North America	Lessons Learned: Mitigation Project Benefit-Cost Analyses in Riverside County, California		
67	Michael	Herman	MA, JD	EY	FEMA Mitigation and Disaster Grants – Facts, Myths and Legends:		
F3: FPM Tech							
35	Bruce	Phillips	PE	PACE	Advances in Drone (UAS) Technology for Floodplain Management Applications	NFIP	
57	Jeremias	Alvarez	PMP, CSM	PwC	Drones for Flood Insurance: Can't Keep My Drone From Getting To You		
58	Patrick	Heck	CSM	PwC	Training Tomorrow's Disaster Mitigation and Flood Insurance Workforce with Virtual Reality Technology		
F4: Post Disaster Assistance Resource Initiatives							
81	Julie	Grauer	CFM	FEMA	Peer to Peer Local Floodplain Administrator Imbedded Project for Hurricane Harvey	Post Disaster	
120	Carver	Struve	AEM, ABCP, CFM	NASA	The NASA Earth Science Disasters Program: Sizing up Floods from Space		
199	Mike	Schultz	CFM, GISP	CDM Smith	Mobile GIS for Disaster Response		
F5: Dam and Levee Failure: Risk Communication and Planning							
43	Stephanie	Gerlach	PE	Flood Control District of Maricopa County	Have You Exercised Lately?	Dams & Levees	
147	Jeffrey	Brislawn	CFM	Wood	Evacuation Planning for Extreme Events: Failure of the Cherry Creek Dam		
196	Edward	Beadenkopf	PE, CFM	Atkins North America	FEMA Guidelines for Modeling and Mapping the Impact of Dams and Dam-Like Structures on FEMA Risk MAP Products		
F6: Science Behind Communicating Risk							
93	Burrell	Montz	PhD	East Carolina University	Major Risks, Uncertain Outcomes: Making Ensemble Forecasts Work for Multiple Audiences	Risk Communication	
213	Sarah	Devaney-Ice	N/A	FEMA	Behavioral Science A-Z: Explore the myriad ingredients that influence how we see the world and the risks in it		
301	Peter	Herrick, Jr.		FEMA	Evolving Flood Risk—Community-Level Needs and Preferences for Depicting, Packaging, and Communicating Information for Adaptation		
F7: Coastal Mapping - Future Conditions & Sea Level Rise							
224	Ed	Curtis	PE	FEMA Region IX	Summary of Accomplishments for FEMA Region IX Open Pacific Coast and Bay Area Coastal Studies	Mapping	
258	Alex	Trahan	PE	ESA	Relating Future-Conditions Coastal Flood Hazards to Existing-Conditions FEMA Maps		
266	Nicole	Kinsman	PhD	NOAA National Geodetic Survey	Case Studies in the Paradox of Static Vertical Flood Datums		
F8: Complex Stormwater Project Design							
136	Gabriel	Novak	PE, CFM	Dowdley, Anderson, & Associates	Use of Linear Lakes in Amenitizing Floodplain Reclamation for Communities	Stormwater	
262	Rocky	Keehn	PE, CFM, D.WRE, ENV SP, LEED AP	Common Sense Water Resources Engineering, LLC	Green Infrastructure Resiliency and Computer Modeling		
26	Tom	LaRue	PE	Advanced Drainage Systems	Hydromodification Design Solutions and Best Practices		
F9: State Floodplain Management Policies and Projects							
46	Stephen	Altman	PE, CFM	Illinois Department of Natural Resources, Office of Water Resources	LOWER THAT LEVEE standard!– The Illinois Experience	State Day	
158	Alex	VanPelt	CFM	Kentucky Division of Water	Communicating Technical Information to Laymen: A Kentucky Perspective		
126	Brad	McVay	GISP, CFM	Illinois State Water Survey	Estimating the Economic Impact of Buyouts: Loss Avoidance Study for the City of Ottawa, Illinois		
Session G (Thursday 10:30AM-12:00PM) June 21							
G1: Modeling for Complex Situations							
50	Linda	Potter	PE, CFM	Atkins North America	Calibration of Post-Burn Hydrology and Hydraulics: Goodwin Fire, Arizona	Modeling	
296	Benjamin	Pope	PE	AECOM	Hurricane Harvey Rainfall and Streamflow Frequency Analysis		
152	Andy	Bonner	PE, CFM	AECOM	Flood Velocity Data - Benefits, Examples, and 2D Floodway Uses		
G2: Social and Cultural Considerations of Mitigation							
276	Earthea	Nance	PhD, PE, CFM	Texas Southern University	Equitable Buy-Out Strategies for Mitigating Flood Risk in Houston	Mitigation	
286	Deepa	Srinivasan	CFM, AICP	Vision Planning and Consulting	Historic Preservation and Hazard Mitigation: Always at Odds?		
271	Elizabeth	English	PhD, AM ASCE	University of Waterloo	Flood Risk Reduction in Historic Neighborhoods: A Visually Unobtrusive Approach		
G3: Floodplain Management Theory & Research							
248	Andy	Yung	PE, CFM	Walter P Moore and Associates	A 50,000-Year Storm...Really?	NFIP	
272	Jennifer	Gerbas	CFM	Terrebonne Parish	What is flood safety worth? Eliminate the mystery of financing risk reduction in new building.		
298	Rachel	Sears		FEMA	What Data Science Reveals about the Value of 21st Century Floodplain Management		
G4: Post-Wildfire Modeling, Risk Communication, and Mitigation							
96	Ellen	Berggren	PMP	USACE	After A Wildfire, Collaborating to Reduce Flood and Debris Flow Risks	Arid Regions	
25	Joseph	Loverich	PE, CFM	JE Fuller Hydrology and Geomorphology Inc.	Coconino County: Pre-Fire Assessment of Post-Fire Flood and Debris Flow Risk		

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307	Dan	Cherry	PE, CFM	Yavapai County Flood Control District	Flood Follows Fire - Communicating the Heightened Flood Risk After a Fire	
G5: Disaster Response for Dams and Levees						
82	Bob	Beduhn	PE, Env SP	HDR	Harvey, Irma, Debbie, Maria, and Ophelia: The New Normal?	Dams & Levees
143	Andre	McDonald		FBC LID #2	What is a Cubit?	
197	Curtis	Smith	PE, CFM	Stantec	A Rapid Assessment of Dam Inventory – Lessons Learned from Two Category 4 Hurricanes Impacting Puerto Rico	
G6: Coastal Flood Risk Management						
168	Jake	Thickman	n/a	ASFPM Barnstable County Cape Cod Cooperative Extension / Woods Hole	Beyond elevation: exploring a holistic approach to coastal flood risk management	Coastal Management
175	Shannon	Jarbeau	CFM	Sea Grant	Sea Grant Programs Working Together Nationwide to Address Flooding and Assist Communities	
228	Jason	Evans	PhD	Stetson University	Future Flood Modeling and Dataset Development for Sea Grant's Southeast Atlantic Regional Resilience Project	
G7: Flood Mapping Behind the Scenes						
51	Yukun	Xing	PHD, CFM	Wood	Take a Closer Look at the Water Surface TIN	Mapping
47	Jeffrey	Tabar	PE, D.CE	Stantec	Guidance for Conducting Wave Runup and Overtopping in a Coastal Environment	
204	Molly	Cox	CFM	CDM Smith	Map Mod Alchemy: Turning Paper into Digital Gold	
G8: SHOWCASE 4						

Session H (Thursday 2:00PM-3:30PM) June 21

H1: State Initiatives in Modeling						
173	Steve	Story	PE, CFM	MT DNRC	Collaborative Pilot Study to update Flood Flow Frequencies in Big Sky Country	Modeling
256	Joe	File	PE, CFM	Amec Foster Wheeler	Kansas 2D Modeling – “All You Have to Do” is Integrate Policy with Accuracy!	
150	Brandon	Banks	GISP	AECOM	No Cell Left Behind: North Dakota Statewide 2D Modeling and Mapping	
H2: Resilience: Measuring, Quantifying, Funding						
31	Sally	McConkey	PE, CFM, D. WRE	ISWS/PRI/ Uof I	Pursuing Community Resilience Over Time	Mitigation
237	Stephen	Bourne	PE	Atkins North America	Maximizing the Value of Resilience	
205	Samantha	Medlock	CFM	Willis Towers Watson	Innovative Finance for Flood Resilience: Lessons from the Capital Markets	
H3: Community Rating System: Guidance for Local Administration						
275	Bill	Lesser	CFM	FEMA/FIMA	The Role of the Community CRS Coordinator: For the New and For the Old	NFIP
305	Amanda	Sharma	CFM	FEMA/FIMA	More Bang for your Buck: Coordinating CRS and Hazard Mitigation Planning Activities to Increase Impact	
122	Mark	Fountain	PE, ENV SP, CFM	HDR	City of Phoenix 5-Year Cycle Verification with NFIP CRS	
H4: State Post-Disaster Initiatives						
69	Stacy	Wright	AICP, CFM	Atkins North America	How Hurricane Matthew Helped NC Think Differently About Recovery and Resilience Planning	Post Disaster
137	Shona	Gibson	PE	FEMA Region 6	A Regional Watershed Approach to Disaster Recovery in Louisiana	
231	Jeffrey	Sickles	PE, CFM	Enginuity Engineering Solutions	Building Resilience into Flood Recovery: Lessons Learned from the Colorado EWP Program	
H5: Levee Risk Analysis						
121	Ben	Gouldby	Bsc. (Hons)	HR Wallingford	International best practice in levee system flood risk analysis	Dams & Levees
282	William	Zung	CFM, PMP	Stantec	Visualizing the Flood Risk from a Levee Breach	
240	John	Callen	PE, CFM	JEO Consulting Group, Inc.	May 2015 Salt Creek Flooding – Simulation vs. Reality	
H6: Risk-Informed Decision Support						
44	Nathan	Montague	n/a	ABS Group	The National Risk Index: A New Tool to Communicate and Interpret Community Risk	Risk Communication
34	Bin	Wang	PE, CFM	GZA GeoEnvironmental, Inc.	Risk-Informed Decision-Making Approach for Flood Risk Assessment and Management	
222	Jacqueline	Snelling		FEMA	Relevant Targeted Flood Protective Actions for the Public	
H7: Guidance & Standards Highlights						
55	Mary Jo	Mullen	PE, PMP	Advantage Strategy Consul	It Begins with Quality: Improving Trust in and Use of FEMA's Flood Risk Products	Mapping
289	Paul	Rooney		FEMA	Transformation Complete	
245	Stephanie	DiBetitto	CFM	State of Colorado	Mapping Fluvial Hazard Zones: Implementing a Statewide Program for Colorado	
H8: SHOWCASE 5						

Session J (Thursday 4:00PM-5:30PM) June 21

J1: New Tools and Methods for Modeling						
250	Seth	Lawler		Dewberry	Riding the Open Source Wave: Leveraging Innovations for Flood Risk Analysis	Modeling
179	Matthew	Johnson	PE, CFM	HDR	Numerical Tools and their Effects on Floodplain Mapping	
290	Jennifer	Duan	PE	University of Arizona	Large Scale Simulation of Flood Flow Inundation Processes Using CHRE2D Model	

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J2: Mitigation and Resilience Planning						Mitigation
188	Mike	Robinson	CFM	AECOM	Building Community Resilience Through Integrated Risk Modeling and Community Planning	
183	Aric	Torreyson	PE	Tetra Tech	Flood Hazard Mitigation Planning for FEMA Grants - Soboba Band of Luiseño Indians	
74	Darrin	Punchard	AICP, CFM	Punchard Consulting	Mainstreaming Mitigation: Lessons Learned + Applied in Comprehensive Community Planning	
J3: Local FPM Challenges and Resources						NFIP
235	Del	Schwalls	PE, CFM	Schwalls Consulting LLC	Clarifying Contradictions and Gaps in NFIP Regulations, FEMA Guidance, and Community Policy	
209	Traci	Sears	CFM	Montana DNRC	Local Choices and How They Can Impact the National Flood Insurance Program	
5	Jeff	Bigby	PE, CFM	City of Broken Arrow	Municipal Floodplain Ownership and Maintenance – How Much Can A Community Handle?	
J4: Challenges of Water Resources Along the Border						Arid Regions
49	John	Hays	EIT, CFM, MOLO	Santa Cruz County	Nogales Wash - Potrero Creek Conceptual Drainage Masterplan	
42	Erin	Boyle		NOAA National Weather Service	Coordination and Decision Support for International Outfall Interceptor Breach in Nogales Wash	
48	Alejandro	Riano	PE, CFM	Michael Baker International	Border Mitigation - Flood Mitigation for Binational Flood Hazards	
J5: Dam and Levee Breach Modeling						Dams & Levees
83	Hussein	Hussein	PE, CFM	Flood Control District of Maricopa County	Is Detailed 2D Modelling of Dam Breach Inundation Worth the Expense?	
15	Carlos	Carriaga	PhD, PE, CFM	Flood Control District of Maricopa County	Real-Time Dam Fill Time and Outflow Prediction Software	
225	Brent	Travis	PhD, PE	WEST Consultants	What Levee Risk? Simplified Levee Breach Analysis for Non-Accredited FEMA Levees	
J6: Risk MAP						Risk Communication
98	Ferrin	Affleck	PE, CFM	Atkins/STARR II	Smart Scoping with Community Engagement and Base Level Engineering	
72	Scott	Schelling	PMP, MBA	Michael Baker International	Convergence of Discovery and Resilience Meetings, a path to Mitigation Actions	
71	Vikram	Shrivastava	PE, PMP, D.WRE, CFM	Atkins North America	Innovations on Changes Since Last FIRM toolset	
J7: Mapping Toolbox Innovations and Applications						Mapping
317	Tammie	Tucker	PE, CFM	AECOM	FEMA's CNMS Database – More Than Metrics: Hurricane Harvey Disaster Response	
41	Cindy	Engelhardt	PE, CFM	Halff Associates, Inc.	Texas Water Development Board Cooperating Technical Partner –Statewide Prioritization Tool	
249	Chris	MacDougall	CFM	AECOM	Leveraging Coastal Data: The Development of a Coastal MultiFrequency Geospatial Data Catalog	
J8: Local Assessments for Prioritizing Stormwater Management Options						Stormwater
117	Scott	Hubley	PE, CFM	Freese and Nichols, Inc.	Too Many Projects, Not Enough Money: Practical Solutions to Optimize Limited Funding	
11	Greg	Lubeck	PE, CFM	Lexington Fayette Urban County Government	Flood Mitigation Plan: Supplemental Environmental Project (SEP) to Implementation	
203	Drew	Beck	PE, CFM	Matrix Design Group	Developing a Comprehensive Stormwater Infrastructure Master Plan to Meet Multiple Objectives	