

2023 SSPEED CONFERENCE

URBAN AND COASTAL FLOODING: BUILDING A RESILIENT FUTURE

DAY 1 THURSDAY, OCTOBER 12, 2023

8:00 - 8:30	REGISTRATION & COFFEE (THE COMMONS)	
INTRO	WELCOME AND OVERVIEW	
8:30 - 8:45	Philip Bedient, Director, SSPEED Center & Professor, Rice University	
8:45 - 9:00	Luay Nakhleh, Dean of Engineering, Rice University	
9:00 - 9:15	Reginald DesRoches, President, Rice University	
SESSION I.	HOW DO WE BUILD A FLOOD RESILIENT FUTURE	
9:15 - 9:35	Philip Bedient, Director, SSPEED Center & Professor, Rice University	
9:35 - 9:55	Sally Priest, Professor, Flood Hazard Research Centre, Middlesex University	
9:55 - 10:15	Mary Anne Piacentini, President and Chief Executive Officer, Coastal Prairie Conservancy	
10:15 - 10:35	BREAK (THE COMMONS)	
KEYNOTE	TOWARDS A RESILIENT FUTURE WITH NATURE-BASED SOLUTIONS. EXAMPLES FROM THE NETHERLANDS AND BEYOND	
10:35 - 11:00	Petra Dankers, Leading Professional Nature-based solutions, Royal HaskoningDHV	
SESSION II.	COASTAL PROTECTION FOR GALVESTON BAY	
11:00 - 11:20	Rob Rogers, FAIA, ROGERS PARTNERS Architects+Urban Designers	
11:20 - 11:40	Clint Dawson, J.J. McKetta Centennial Energy Chair in Engineering, University of Texas	
11:40 - 12:00	Charles Penland, Managing Principal, Walter P. Moore and Associates, Inc.	
12:00 - 1:00	LUNCH (THE COMMONS)	
KEYNOTE	INTERNATIONAL EXPERIENCES OF MEGAPROJECTS AS INSPIRATION FOR HOUSTON-GALVESTON BAY AREA	
1:00 - 1:25	Marcel Hertogh, Chair Infrastructure Design and Management, Delft University of Technology	
SESSION III.	IMPACT ON FUTURE STORMS	
1:25 - 1:45	Sylvia Dee, Assistant Professor, Rice University	
1:45 - 2:05	Avantika Gori, Postdoctoral Researcher, Princeton University	
KEYNOTE	FLOOD PROTECTION IN THE DUTCH DELTA - A MATTER OF ORGANIZATION	
2:05 - 2:30	Pieter Janssen, Chief Executive Officer, Water Authority (Hoogheemraadschap) of Delfland	
2:30 - 2:50	BREAK (THE COMMONS)	
SESSION IV.	CONCURRENT SESSIONS	
	<i>Session "A" will be held in the Auditorium. Session "B" will be held in ACC 108</i>	
2:50 - 4:00	A. INTERNATIONAL APPROACH TO FLOOD MITIGATION	B. METEOROLOGY & CLIMATE CHANGE (ACC 108)
2:50 - 3:15	Baukje "Bee" Kothuis, Chief Representative, NBSO Texas	Matt Lanza, Managing Editor, Space City Weather
3:15 - 3:40	AnneLoes Nillesen, Professor, Delft University of Technology & Founder, Defacto Urbanism	Daniel Cohan, Associate Professor, Rice University
3:40 - 4:00	Yoonjeong Lee, Associate Research Scientist, IDRT, TAMUG	David Curtis, Senior Technical Advisor, WEST Consultants, Inc.
RECEPTION	PLEASE JOIN US FOR APPETIZERS & DRINKS	
4:00 - 5:30	Generously sponsored by AECOM, DEC, the Institute for a Disaster Resilient Texas and Walter P. Moore and Associates, Inc.	

2023 SSPEED CONFERENCE

URBAN AND COASTAL FLOODING: BUILDING A RESILIENT FUTURE

DAY 2 FRIDAY, OCTOBER 13, 2023

8:00 - 8:30 REGISTRATION & COFFEE (THE COMMONS)

KEYNOTE THE MULTI-LAYER APPROACH OF DUTCH WATER PREVENTION

8:30 - 9:00 Raymond Hofer, Dutch Water Prevention

SESSION V. GOVERNMENTAL FLOOD CONTROL & THE FUTURE

9:10 - 9:30 Scott Elmer, Chief Partnerships and Programs Officer, HCFCD

9:30 - 9:50 Carol Haddock, Director, Houston Public Works, City of Houston

9:50 - 10:10 Jerry Cotter, Water Resources Branch Chief, USACE

PANEL PERSPECTIVES ON FLOOD CONTROL & THE FUTURE

10:10 - 10:40 *Moderated by Larry Dunbar, Project Manager, SSPEED Center*

Tina Petersen, Executive Director, HCFCD;

Carol Haddock, Director, Houston Public Works, City of Houston;

Jerry Cotter, Water Resources Branch Chief, USACE;

Jim Blackburn, Co-Director, SSPEED

10:40 - 11:00 BREAK (THE COMMONS)

SESSION VI. CONCURRENT SESSIONS

11:00 - 12:20 A. BUILDING FLOOD RESILIENT AND SUSTAINABLE COMMUNITIES IN TEXAS (AUDITORIUM)

11:00 - 11:20 Nick Fang, Robert S. Gooch Professor, University of Texas at Arlington

11:20 - 11:40 Glenn Clingenpeel, Executive Manager, Trinity River Authority of Texas

11:40 - 12:00 Hanadi Rifai, Moores Professor, University of Houston

12:00 - 12:20 Michelle Hummel, Assistant Professor, University of Texas at Arlington

B. ADVANCED FLOODPLAIN ANALYSIS USING 2D HEC-RAS (ACC 108)

Ataul Hannan, Director, Planning Division, Harris County Flood Control District

Duane Barrett, Water Resources Program Manager, HDR Engineering, Inc.

Laurian Cuba, WRE Team Director & Andy Yung, Principal/Chief Hydrologist, Walter P. Moore

Catherine Jackson, Graduate Student, SSPEED

12:20 - 1:20 LUNCH (THE COMMONS)

SESSION VII. CONCURRENT SESSIONS

1:20 - 2:40 A. MACHINE LEARNING FOR FLOOD PREDICTION AND MANAGEMENT (AUDITORIUM)

1:20 - 1:40 James Doss-Gollin, Assistant Professor, Rice

1:40 - 2:00 Ali Mostafavi, Associate Professor, Director, UrbanResilience.AI Lab, Texas A&M

2:00 - 2:20 Xia (Ben) Hu, Director, Data to Knowledge Lab (D2K) & Associate Professor, Rice University

2:20 - 2:40 Arlei Silva, Assistant Professor, Rice University

B. NEW APPROACHES TO FLOOD RESILIENCE (ACC 108)

Jamie Padgett, Stanley C. Moore Professor & CEE Chair, Rice University

Paola Passalacqua, Associate Professor, University of Texas at Austin

Federico Antolini, Postdoctoral Researcher, IDRT, TAMUG

True Furrh, Graduate Student, SSPEED, Rice & Nick Diaz, Graduate Research Assistant, IDRT

KEYNOTE ASSESSING HOUSTON'S FLOOD VULNERABILITY SIX YEARS AFTER HARVEY

2:40 - 3:05 Jim Blackburn, Co-Director, SSPEED Center

CLOSE THANK YOU FOR ATTENDING SSPEED'S 11TH CONFERENCE

3:05 - 3:10 Phil Bedient, Director, SSPEED Center