

Abstract Code	Presenting Author	Title	NOLA CC Location	Time
Monday, December 15th				
SY11A-01	Melissa Tier	Past Climate Adaptation Policy Learning among U.S. Federal Agencies: Preserving & Improving Administrative Governance in an Age of Misinformation	338-339	8:30
EP11A-08	William Coronel	Accounting for Near-Coastal Processes Improves Estimates of Vertical Land Motion from Altimetry-Minus-Tide-Gauge along the North American Atlantic and Gulf Coasts	255-257	9:40
Tuesday, December 16th				
A21L-2164	Diana Apoznanski	Investigating Low Likelihood, High Impact Extratropical Cyclone Characteristics in a Warming Climate	Poster Hall EFG	8:30
H22B-01	Thomas Wahl	Storm surge trends along the U.S. coastline and the role of tropical cyclones	228-230	10:32
Wednesday, December 17th				
NH31E-0466	Md Nurul Kadir	Localized Decline in Tidal Overtides Reveals Anthropogenic Smoothing of the Delaware Estuary	Poster Hall EFG	8:30
GC31I-0788	Jorge Lorenzo-Trueba	From Coastal Retreat to Seaward Growth: Emergent Behaviors from Paired Community Beach Nourishment Choices	Poster Hall EFG	8:30
H32D-08	Sara Santamaria-Aguilar	Large discrepancies between event- and response-based compound flood hazard estimates	Theater B	11:40
SY33C-0664	Lisa Auermuller	Real Talk: Successes and Challenges in Co-producing Usable, Useful, and Used Climate Research Across a Large Interdisciplinary Team	Poster Hall EFG	14:15
GC33I-0986	Noel Siegert	Positive Association Between Coastal Sea Surface Temperatures and Humid Heat Stress on Nearby Land	Poster Hall EFG	14:15
Thursday, December 18th				
GC41B-01	Sönke Dangendorf	Variable Vertical Land Motion Over the 20th Century Inferred at Tide Gauges	283-285	8:33
NH41C-03	Pravin Maduwantha	Generating Synthetic Storm Events for Compound Flood Modeling in a Tri-variate Probabilistic Framework	295-296	8:53
EP41A-08	Eric Dammann	A Co-Developed Morphodynamic Model to Support Piping Plover Conservation Management	243-244	9:46
NH43D-0485	Nuzhat Fatema	Urban Flooding and Household Adaptation: Why Decision-Making Goes Beyond Technical Solutions in Manville, New Jersey	Poster Hall EFG	14:15

Abstract Code	Presenting Author	Title	NOLA CC Location	Time
Thursday, December 18th				
NH42B-03	Doyup Kwon	Coastal Storm Tide Modelling for the US Northeast	295-296	10:50
OS44A-01	Sönke Dangendorf	Anthropogenically-Caused Sea-Level Rise has Tripled the Likelihood of Coastal Extremes since 1900	215-216	16:15
OS44A-02	Julius Oelsmann	Geographic and socioeconomic inequalities of sea-level rise since 1900	215-216	16:25
NH44B-05	Ariadna Martin Oliva	Beyond the Poison distribution: Global Analysis of Temporal Clusters of Storm Surges	297	17:00
NH44A-08	Cong Gao	PepC-Global: A Basin-Tuned, Environment-Dependent Probabilistic Tropical Cyclone Model	295-296	17:25
Friday, December 19th				
NH52A-04	Christine Blackshaw	Designing for Tropical Cyclone Wind Loads under Non-Stationary Climates	295-296	11:15

The following contains AGU presentations & sessions that are not formally affiliated with the Megalopolitan Coastal Transformation Hub (MACH), but feature “friends of MACH” or MACH relevant themes.

AGU PRESENTATIONS: Friends of MACH & MACH Relevant Themes

Abstract Code	Presenting Author	Title	NOLA CC Location	Time
Monday, December 15th				
H12G-06	Ahmad Haseeb Payab	Quantifying Sensitivity and Uncertainty in 1D/2D Urban Flood Models: A Case Study from Harrison Avenue, Camden, NJ	231-232	11:20
NH12B-08	Kripa Jagganathan	Myths and Misconceptions held by Hazard Scientists and Practitioners: Lessons from Co-production of Science	353	11:42
SY13C-0574	Robert Edward Thomas Ward	Countering the Threat to UK Democracy from Increases in Climate Misinformation	Poster Hall EFG	14:15
H13V-1359	Nirajan Adhikari	AI-Driven Camera Monitoring and PCSWMM Modeling of Current and Future Urban Flood Risk in Marlton, Camden, NJ	Poster Hall EFG	14:15
ED14B-01	Ellen A R Iverson	Geoscience Curriculum Focused on Societal Challenges: Increasing Interest, Knowledge, and Workforce Skills	348-349	16:18
GC14A-05	Yu Cheng	Land radiative management increases heat stress in humid regions	203-205	16:55

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Abstract Code	Presenting Author	Title	NOLA CC Location	Time
Tuesday, December 16 th				
A21L-2148	Sophia DiPietro	Impact of Ocean Temperatures on Heat Stress in South Florida	Poster Hall EFG	8:30
H22E-02	Md Nurul Kadir	Assessing Agricultural Vulnerability to Extreme Floods in Bangladesh: An Integrated Modeling Approach	243-244	10:40
GC24F-08	Parin Bhaduri	Neglecting Initial Population Uncertainty Leads to Biased Assessments of Flood Risk Outcomes	207	17:25
Wednesday, December 17 th				
ED31G-0570	Rory McFadden	Fostering adaptable geoscientists: Integrating disciplinary knowledge with professional practice for evolving career pathways	Poster Hall EFG	8:30
EP31C-04	Viet Bui	Arctic Deltas Shaped by GIA-Driven Sea-Level Change and Sediment Supply	255-257	9:03
Thursday, December 18 th				
NH44A-04	Aidan Ocampo	Modeling Philippine Tropical Cyclone Wind Hazard in Present and Future Climates	295-296	16:45
NH44B-05	Ariadna Martin Oliva	Beyond the Poison distribution: Global Analysis of Temporal Clusters of Storm Surges	297	17:00
Friday, December 19 th				
A51H-01	Catherine Ivanovich	Subseasonal Variability of Humid Heat During the South Asian Summer Monsoon	271	8:30
NH51D-0217	Ahmad Haseeb Payab	Simulating Urban Flooding Under Joint Rainfall and Coastal Forcing: A PCSWMM-Based Analysis of Harrison Avenue, Camden, NJ	Poster Hall EFG	8:30
OS51E-0455	Andra Jenn Garner	Evolution of Global Sea-level Rise Projections and Their Uncertainty	Poster Hall EFG	8:30
OS51E-0445	Daniel Gilford	Multi-Method Approach for Estimating Attributable Sea Level Rise and Extreme Water Levels Worldwide	Poster Hall EFG	8:30

AGU SESSIONS: Friends of MACH & MACH Relevant Themes

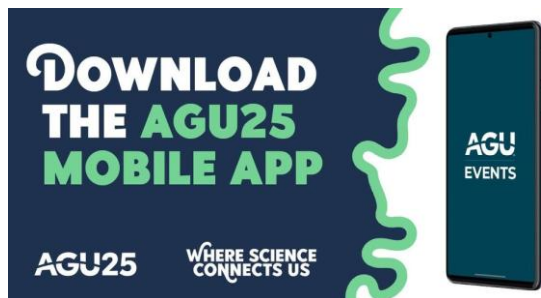
Session Code	Primary Conveners	Title	NOLA CC Location	Time
Monday, December 15 th				
H11H	Ahmad Haseeb Payab	Integrative Approaches to Urban Flooding: Modeling, Monitoring, and Mitigation Strategies I Oral	231-232	8:30
SY11B	Margaret Rudolf	Impactful Science: Methods and Metrics I Poster	Poster Hall EFG	8:30
H12G	Ahmad Haseeb Payab	Integrative Approaches to Urban Flooding: Modeling, Monitoring, and Mitigation Strategies II Oral	231-232	10:30
GC13L	Oriana Chegwiddden	Risk Analytics for a Warming World Poster	Poster Hall EFG	14:15
H13V	Ahmad Haseeb Payab	Integrative Approaches to Urban Flooding: Modeling, Monitoring, and Mitigation Strategies III Poster	Poster Hall EFG	14:15
SY14A	Margaret Rudolf	Impactful Science: Methods and Metrics II Oral	344-345	16:15

AGU SESSIONS: Friends of MACH & MACH Relevant Themes

Session Code	Primary Convener	Title	NOLA CC Location	Time
Tuesday, December 16 th				
SY21A	Pamela McElwee	Climate Data and Assessments: Challenges and Opportunities for Enhanced Decision-Making I Oral	346-347	8:30
SY21B	Haley Crim	Climate Change Training for the Current and Future Workforce	Poster Hall EFG	8:30
TH23F	Pam McElwee	Supporting Robust Science in Global and National Assessments: Introduction to the Work of the U.S. Academic Alliance for the IPCC	Theater C	13:00
TH23-L	Melissa Kenney	A Discussion on the 'U.S. Climate Collection: Informing Assessment of Risks and Solutions'	243-244	13:00
SY23B	Pamela McElwee	Climate Data and Assessments: Challenges and Opportunities for Enhanced Decision-Making II Poster	Poster Hall EFG	14:15
NH23C	Ryan Michael McGranaghan	Navigating Risk in the 21st Century: A New Resilience Paradigm	Poster Hall EFG	14:15
Wednesday, December 17 th				
GC24F	Patrick Reed	Multisector Dynamics: Advances in Modeling Adaptive Human Systems II Oral	207	16:15
A24C	Sridhara Nayak	Extreme Events: Observations and Modeling I Oral	278-279	16:15
GC31B	Patrick M Reed	Multisector Dynamics: Advances in Modeling Adaptive Human Systems III Oral	207	8:30
A31E	Sridhara Nayak	Extreme Events: Observations and Modeling II Poster	Poster Hall EFG	8:30
SY31A	S.Lucille Blakeley	The Coproduction, Implementation, and Communication of Climate Services in the United States and Abroad Oral	346-347	8:30
ED31F	Julia Szinai	Multisector Dynamics: Preparing the Next Generation of Researchers to Meet Transdisciplinary Environmental Challenges Poster	Poster Hall EFG	8:30
H31B	Vinnarasi Rajendran	Compound, Concurrent, and Cascading Hazards in a Changing Climate: Understanding and Predictability for Enhanced Resilience I Oral	Theater A	8:30
GC32B	Nagendra Singh	Global Change Impacts and Adaptation for Urban Resiliency I Oral	203-205	10:30
GC32C	Erwan Monier	Multisector Dynamics: Understanding Extreme Weather, Compound Hazards, and Their Impacts I Oral	207	10:30
Prof. Dev. Session	Elizabeth Crocker	Connecting Science to Communities: An intro guide to co-creating projects that address local community needs using your science expertise	Hall B-2/C	13:00
GC33H	Melissa R Allen Dumas	Multisector Dynamics: Modeling Earth System–Energy–Human Interactions in Urban Environments I Poster	Poster Hall EFG	14:15
GC33G	Patrick M Reed	Multisector Dynamics: Advances in Modeling Adaptive Human Systems IV Poster	Poster Hall EFG	14:15
GC33I	Erwan Monier	Multisector Dynamics: Understanding Extreme Weather, Compound Hazards, and Their Impacts II Poster	Poster Hall EFG	14:15
H33O	Vinnarasi Rajendran	Compound, Concurrent, and Cascading Hazards in a Changing Climate: Understanding and Predictability for Enhanced Resilience II Poster	Poster Hall EFG	14:15
SY33C	S. Lucille Blakely	The Coproduction, Implementation, and Communication of Climate Services in the United States and Broad Poster	Hall EFG	14:15

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Session Code	Primary Conveners	Title	NOLA CC Location	Time
Thursday, December 18th				
GC41B	Yi Liu	Coastal Sea Level Rise and Land Subsidence: Mitigation, Adaptation, and Risk Management Strategies I Oral	283-285	8:30
NH41D	Ariadna Martin Oliva	Extreme Sea Levels: Modeling, Impacts, and Risk Management I Poster	Poster Hall EFG	8:30
GC41B	Yi Liu	Coastal Sea Level Rise and Land Subsidence: Mitigation, Adaptation, and Risk Management Strategies I Oral	283-285	8:30
NH43D	Vivek Srikrishnan	Advances in Urban Flood Risk Assessment and Adaptation V Poster	Poster Hall EFG	14:15
GC43J	Yi Liu	Coastal Sea Level Rise and Land Subsidence: Mitigation, Adaptation, and Risk Management Strategies II Poster	Poster Hall EFG	14:15
GC43C	Michael Joseph Puma	GC43C - Environmental Changes and Human Migration: Advances in Modeling and Analysis I Oral	203-205	14:15
SY43A	Christine Kirchhoff	Advances in the Practice and Theory of Climate Change Adaptation II Oral	346-347	8:30
SY43C	Christine Kirchhoff	Advances in the Practice and Theory of Climate Change Adaptation II Poster	Poster Hall EFG	14:15
ED43A	Haley Crim	Building Climate Literacy for Action II Oral	338-339	14:15
NH44B	Sara Santamaria-Aguilar	Compound, Consecutive, and Cascading Events: Challenges for Risk Assessment and Management I Oral	297	16:15
NH-44C	Ariadna Martin Oliva	Extreme Sea Levels: Modeling, Impacts, and Risk Management II Oral	294	16:15
Friday, December 19th				
NH51D	Sara Santamaria-Aguilar	Compound, Consecutive, and Cascading Events: Challenges for Risk Assessment and Management II Poster	Poster Hall EFG	8:30
NH51E	Sara Santamaria-Aguilar	Compound, Consecutive, and Cascading Events: Challenges for Risk Assessment and Management III Poster	Poster Hall EFG	8:30
GC51I	Michael Joseph Puma	Environmental Changes and Human Migration: Advances in Modeling and Analysis II Poster	Poster Hall EFG	8:30
NH51D	Sara Santamaria-Aguilar	Compound, Consecutive, and Cascading Events: Challenges for Risk Assessment and Management II Poster	Poster Hall EFG	8:30
NH51E	Sara Santamaria-Aguilar	Compound, Consecutive, and Cascading Events: Challenges for Risk Assessment and Management III Poster	Poster Hall EFG	8:30



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