

AEG 2024 ANNUAL MEETING TECHNICAL PROGRAM SCHEDULE

WEDNESDAY, SEPTEMBER 11 – MORNING OPENING SESSION

Moderator: AEG President Sarah Kalika

Room: Columbus Ballroom

Time	Speaker
8:00-8:05	Welcome: Sarah Kalika, Curt Schmidt and Niall Henshaw
8:05-8:15	AEG Volunteer Recognition Award: Gerry Stirewalt and Courtney Johnson
8:15-9:00	AEG Foundation Awards: Dr. Anna Saindon
9:00-9:30	Keynote Speaker: Dr. Gale Blackmeer, Pennsylvania State Geologist
9:30-10:00	Keynote Speaker: David E. Haymes, Assistant Commissioner, Contaminated Site Remediation & Redevelopment, New Jersey Department of Environmental Protection
10:00-10:20	Morning Break
10:20-11:00	OEEG Project Award: Paw Paw Slope Stabilization Project - Chesapeake & Ohio Canal National Historic Park - Joseph Reed
11:00-11:30	2023/2024 AEG/GSA Richard H. Jahns Distinguished Lecturer: Cynthia Palomares
11:30-12:00	Introduction of AEG/GSA Richard H. Jahns Distinguished Lecturer: Dr. John Kemeny

WEDNESDAY, SEPTEMBER 11 – AFTERNOON

Technical Session #1: AEG DEI Symposium: DEI – Shine the Light

Sponsored by Arcadis U.S., Inc

In AEG's Fourth Annual DEI Symposium, we will Shine the Light on issues as diverse as the problems with, and solutions to, making the geosciences more diverse, equitable, and inclusive. From how to recruit and retain students in STEM, specifically the geosciences; to making our schools, professional organizations, and companies more inclusive; to how companies recruit in this fast-changing environment—we will learn and discuss the challenges facing the geosciences in education and professional practice.

Convener: Deborah Green

Room: Columbus A

Time	Speaker	Title
2:00–2:40	Garrison, Zenobia	Looking from Within: An Equity Centric Approach to Increasing Student of Color Representation in the Geosciences
2:40–3:00	Guido, Lauren	Fostering Community Engagement and Access in Geology Fieldwork: Strategies and Outcomes
3:20–3:40	Boss, Stephen	Illuminating Pathways to Greater Inclusion in AEG
3:40–4:00	Reynolds, Logan	Strength in Solidarity: How Local 2SLGBTQ+ Employees and Allies Affect Change on a Regional and Global Scale
4:00–4:20	Lawson, Masai	The Impact of AI in Talent Acquisition: Opportunities and Ethical Implications
4:20–5:00		Panel Discussion

Technical Session #2: Tunneling

Sponsored by Aldea Services and Brierley Associates

Engineering Geology & Underground Space. Tunnels provide long-term solutions to a variety of infrastructure projects ranging from constructing roadways or pipelines through difficult terrain to free up valuable surface space in dense urban areas. In recent years, the rapid expansion of metropolitan areas has led nations around the world to give more and more consideration to the upfront investment of tunneling projects in order to promote more efficient use of surface space and recognize the significant benefits of underground space to society at large. Engineering geologists' insights into subsurface and conditions often make the difference between success and failure of these projects.

Conveners: Paul Headland, Ike Isaacson, and Mike Piepenburg

Room: Columbus B

Time	Speaker	Title
2:00–2:40		Keynote
2:40–3:00	Akeju, Victor	Mixed-Rock Conditions and Tunneling
3:20–3:40	Allen, Katherine	Geologic Mapping and Photogrammetry for Tunnel Inlet and Outlet Characterization, Lowell Creek Flood Diversion System Project, Seward, Alaska
3:40–4:00	Davidson, Thomas	Optimizing the Lowell Creek Tunnel and Slope Design through Phased Investigations
4:00–4:20	Askins, Dennis	The Geology of the Hudson Tunnel Project (Gateway) Between New York and New Jersey
4:20–4:40	Ciancia, Mala	Tunnel Alternative Selected for Last Chance Grade, Del Norte County, California
4:40-5:00		Q&A

Technical Session #3: Karst Symposium

In partnership with Society of Exploration Geophysicists (SEG)

Conveners: Mia Painter and Kathryn Murdock

Room: Columbus C

Time	Speaker	Title
2:00–2:20	Yeskoo, Andrew	Reducing Sinkhole Risk Along Rail in Saudi Arabia
2:20–2:40	Rupert, Sarah Morton	The Integral Role of Geophysics in Dam Safety
2:40–3:00	Painter, Mia	Using Geophysics for Geotechnical and Environmental Projects in Karst Regions
3:20–3:40	Behr, Rose-Anna	Towards an Updated Karst Hazard Map of Pennsylvania using Lidar-Derived Closed Depressions: Benefits and Challenges
3:40–4:00	Denton, Robert	The Use of Morphologic Character Analysis to Determine Sinkhole Risk for Solar Site Development
4:00–5:00		Panel Discussion (Sponsored by AEG Geophysical Technical Working Group and SEG)

Technical Session #4: Coastal Hazards

Coastal systems are changing and how we respond to those changes and impacts have become essential to all coastal communities and interest. The Coastal Hazards session is an opportunity to share the latest in research and practical applications for reducing and addressing coastal hazards and impacts.

Moderator: William Godwin

Room: Innovation

Time	Speaker	Title
2:00–2:20	Dennison, Alison	Geocoastal and Geotechnical Analyses of Shoreline Processes
2:20–2:40	Epstein, Samuel	New York City Synthetic Coastal Dune Construction-Comparisons to Jurassic Sand Dune: Sea-level Fluctuations in the Gulf of Mexico (Presented by Peggy Epstein)
2:40–3:00	Epstein, Samuel	Environmental Implications of Climatic Changes to the New York BIGHT
3:20–3:40	Godwin, William	Natural Sediment Management vs. Structural Solutions to Mitigate Coastal Erosion
3:40–4:00	Styles, Richard	Role of Seasonal Vegetation on Sediment Retention in a Coastal Splay
4:00–4:20	Isphording, Wayne	Natural Depositional Hazard in Mississippi Sound? A Question of Liability!
4:20–4:40	Coor, Jennifer L.	Boom and Gloom: The Effects of Munitions and Explosives of Concern on Florida Dredging Projects
4:40–5:00	Lashley, Justin	Responding to Oversized Material Entrained by Engineered Beach Fill

THURSDAY, SEPTEMBER 12 – MORNING

Technical Session #5: GASH Case Histories for Evaluation of Geologic and Seismic Hazards Part I

Sponsored by PanGeo

This fun, information-filled, full-day Symposium, organized and convened by AEG's Geologic and Seismic Hazards Technical Working Group (GASH TWG), showcases exciting presentations by 18 invited speakers from academia, consulting companies, a federally owned electric utility, government agencies, a National Laboratory, and a State Geological Survey. Presentations include case histories related to evaluation of potential geologic and seismic hazards that specifically address faulting investigations and related seismic hazards in California, New Zealand, Oman, the Pacific Northwest, South Carolina, Virginia, and Wyoming; rock fall hazard in Virginia; karst hazards in Tennessee; volcanic hazards in Idaho; subsurface conditions and licensing at a nuclear power plant site in Georgia; and analysis of mass wasting features on Mars. Data collection and analysis methods applied include field studies involving critical geologic observation and mapping associated with faulting investigations; probabilistic seismic hazard analysis (PSHA); geophysical investigations and core borings to evaluate seismic risks at bedrock and surface levels in Oman; 3D ground motion simulations for evaluation of potential hazard related to Cascadia megathrust earthquakes; seismic reflection and refraction studies for evaluating active faulting and intraplate earthquake potential in Wyoming; kinematic analysis for evaluating a rock fall site in Virginia; numerical models for probabilistic volcanic hazard analysis (PVHA) in the Eastern Snake River Plain (ESRP) of Idaho and a deep core boring from the ESRP for evaluating volcanic hazards; and a seismic ground array and aerial magnetic geophysical surveys for evaluation of an earthquake swarm near Elgin, South Carolina. Two presentations discuss state-of-the-art methods for acquisition of data. The first discusses near real-time monitoring of subsidence and landslide hazard using remote sensing and a cloud-based computing platform. The second discusses data acquisition for understanding subsurface physics and structure associated with landslides using next-generation electrical and electromagnetic geophysical surveying techniques. The Symposium will allow additional time for Q&A, comments, and discussion at the end of both the morning and afternoon sessions. DON'T MISS IT is the suggestion of enthusiastic Conveners G. Stirewalt and C. Johnson, Chairs of the GASH TWG.

Conveners: Gerry L. Stirewalt and Courtney Johnson

Room: Columbus A

Time	Speaker	Title
8:00–8:20	Shumway, Allison	The U.S. Geological Survey's National Seismic Hazard Model
8:20–8:40	Dunham, Audrey	The Next Generation of 3D Ground Motion Simulations for Cascadia Megathrust Earthquakes

8:40–9:00	Furlong, Kevin	Discovering ‘Hidden’ Seismic Hazards in the Complex Tectonic Environments of the Northern San Andreas and Kaikoura, N.Z.
9:00–9:20	Gomez, Paco	Active Faulting and Intraplate Earthquake Potential in the Northern Wind River Basin of Wyoming
9:20–9:40	Maguire, Sydney	Evaluation of slip along the Garlock Fault Zone at timescales of 104 to 106 years since 2 Ma
9:40–10:00	Bobyarchick, Andy	Superposed Ductile Shear and Brittle Faulting in the Mountain Run Fault Zone in the Western Virginia Piedmont
10:20–10:40	Morrow, Robert	The Elgin, South Carolina Earthquake Swarm: Implications for Seismic Hazard Along the Eastern Piedmont Fault System
10:40–11:00	El-Hussain, Issa	Comprehensive Seismic Hazard Assessment and Microzonation in the Musanah Region, Oman
11:00–11:20	Huebner, Matthew	Karst Hazards at Tennessee Valley Authority Dams: Foundation Treatment, Major Modifications, and Targeted Investigations
11:20–11:40	Syms, Frank	Vogtle Excavation Mapping Program Review – A License Commitment to Confirm Subsurface Conditions
11:40–12:00		Q&A, Comment, and discussion period for the morning presentations

Technical Session #6A: Environmental Site Characterization Symposium

Conveners: Sarah Kalika and Rick Kolb

Room: Innovation

Time	Speaker	Title
8:00-8:20	Kalika, Sarah	What’s in that Soil? Site Characterization, Sampling Hazards, and PPE
8:20-8:40	Moe, Minda	Utility Locates for Environmental Drilling – Introduction and Case Studies
8:40-9:00	Heeren, James	Route 295/42, Missing Moves
9:00-9:20	Gannon, Patrick	A Tale of Two Discrete Fractured Networks: CVOC Impacted Bedrock Aquifers in Upstate New York
9:20-9:40	Gottobrio William	Empirical Forecasting Methods for Practical Dewatering Assessments I
9:40-10:00	Toskos, Theodoros	Green, Sustainable and Resilient Remediation

Technical Session #6B: Environmental and Mining Topics

Moderator: Rick Kolb

Room: Innovation

Moderator: Rick Kolb

Time	Speaker	Title
10:20-10:40	Shuster, Carrie A.	Black Sands of Iwo Jima: How the Past Can Improve the Future of Warfare
10:40-11:00	Hiatt, Jessica	Characterizing Underground Coal Mine Surface Hazards via Geomorphic Analysis Using Remote and Ground-Based Techniques
11:00-11:20	Stowers, Kirk	A Novel Approach for the Remediation, Reclamation, and Development of the Three Kids Mine Site for Residential Reuse
11:20-11:40	Bieber, David W.	Tailings Impoundments – Where Do We Go from Here?
11:40-12:00	Haneberg, William C.	Mountaintop Removal Coal Mining and Flood Severity

Technical Session #7: Dams and Levees Symposium, Part I

The Dams & Levees Technical Working Group is pleased to host this year’s two-part Dams and Levee Symposium on Thursday, September 12th! We have a great lineup of wide-ranging talks, including case histories, lessons learned from recent and ongoing large dam construction projects, cutoff walls, hydraulic fracturing, and a suite of presentations from members of the Japan Society for Engineering Geology (JSEG). Our symposium will kick off with a Keynote Presentation by Visty Dalal (Maryland Dam Safety Program) on Conowingo Dam (which follows the Monday Field Course to the Dam – don’t forget to register for that as well!). The second Keynote Presentation will cover the practical challenges of hydrofracturing, given by Kathleen Bensko (FERC). We hope you will join us!

Sponsored by R/JH Consultants, Inc

Conveners: Cassie Wagner and Hawkins Gagnon

Room: Columbus B

Time	Speaker	Title
8:00–8:40	Dalal, Visty	Keynote: History, Geology, and Construction of the Conowingo Dam, Maryland
8:40–9:00	Dalal, Visty	Druid Lake Water Tank Project, Baltimore City, Maryland
9:00–9:20	Pearce, Justin	Geology of Prado Dam Spillway: Framework for an Anchor Testing Program
9:20–9:40	Friend, Edwin	Anchor Test Program for Prado Dam Spillway Rehabilitation
9:40–10:00	Kolb, Dakota	The Arkabutla Dam Emergency: A Geologic Approach

10:20–10:40	Riley, Don	Chimney Hollow Reservoir Project Dam Foundation Grouting Programs, Larimer County, Colorado
10:40–11:00	Greene, Brian	Lessons Learned from the Austin Dam Failure of 1911, Austin, Pennsylvania
11:00–11:20	Sasaki, Yasuhito	Collaborations of Engineering Geologists for Dams in Japan: Toward Improving the Quality of Geological Investigations
11:20–11:40	Watatani, Hiroyuki	Introduction to the Activities of the Civil Engineering and Geology Research Subcommittee Dam Working Group in JSEG
11:40–12:00	Murai Masanori	A Case Study of Geological Bodies and Risks in the Dam Working Group of the Japan Society of Engineering Geology

Technical Session #8: Land Subsidence Symposium Part I

The AEG Subsidence Working Group convenes AEG's sixth, and fourth annual Symposium on Land Subsidence as part of the 67th annual meeting of AEG. The symposium will begin with a summary of global land subsidence as reported in the online media during 2023-2024. Separate symposium sessions will address applications of InSAR technology to land subsidence assessment in areas where subsidence exacerbates the effects of sea-level rise, and where subsidence results from groundwater and hydrocarbon extraction, post-glacial rebound, and surface loading. Speakers will discuss land subsidence in volcanic terrane, due to decomposition of peaty soils, from collapse of mines and in karst areas. Subsidence monitoring, and modeling, at site and regional scales are included.

Conveners: James Borchers and Danielle Smilovsky

Room: Columbus C

Time	Speaker	Title
8:00–8:20	Borchers, James	Subsidence Around the World 2023-24
8:20–9:00	Smilovsky, Danielle	Exploring Case Studies and the Future of Remote Sensing InSAR Technology Applications: Hydrocarbon Production Fields of West Texas, Coastal Bend of Texas, and Land Subsidence Zones in the Arizona Willcox Basin
9:00–9:20	Shirzaei, Manoochehr	Ground Zero: Navigating the Risks, Hazards, and Solutions of Land Subsidence in the Central Atlantic Coastal Plain
9:20–9:40	Sauber, Jeanne	Sources of Spatiotemporal Variability in Coastal Subsidence Rates: Eastern U.S. Compared to American Samoa
9:40–10:00	Osmanoglu, Batuhan	NASA/India Space Research Organization's Spaced-Base Subsidence Monitoring
10:20–10:40	Chu, Tianxing	Texas Coastal Land Subsidence: Presence, Severity, and Attribution
10:40–11:00	Greuter, Ashley	Continuing the Legacy: Monitoring Land Surface Deformation from Leveling to GNSS Surveys in the Houston, Texas Region
11:00–11:20	Zhou, Xin	Land Subsidence in Chesapeake Bay: Insights from 15 Long-Term Tide Gauge Records
11:20–11:40	Godwin, William	Subsidence and Sea Level Rise on Risk to Disposal Sites - Some U. S. Case Studies
11:40–12:00	Montgomery-Brown, Emily	Volcanic Subsidence

THURSDAY, SEPTEMBER 12 – AFTERNOON

Technical Session #9: GASH Case Histories for Evaluation of Geologic and Seismic Hazards Part II

Conveners: Gerry Stirewalt and Courtney Johnson

Room: Columbus A

Time	Speaker	Title
1:40–2:00	Grahl, Dirk	Geologic Mapping and Kinematic Analysis of a Rock Fall Site in Northern Virginia
2:00–2:20	Chesnutt, Julian	Landslides, Lobate Debris Aprons, Talus Cones and Slump Blocks of Sacra Mensa, Kasei Valles, Mars: A Mass Wasting Inventory and Analysis
2:20–2:40	Thompson, Jenise	Adapting Successful Hazard Analysis Approaches to New Hazards at the Nuclear Regulatory Commission
2:40–3:00	Cline, Michael	Approach to Assessing Volcanic Hazards for Siting a Nuclear Power Plant
3:20–3:40	Raszewski, Douglas	Stratigraphy and Geochronology from a Borehole on the Eastern Snake River Plain, Idaho, for Assessing Volcanic Hazards
3:40–4:00	Hastings, Mitchell	Application of Numerical Models for Probabilistic Volcanic Hazard Assessment on the Eastern Snake River Plain, Idaho
4:00–4:20	Royer, Patrick	Near Real-Time Monitoring for Subsidence and Landslide Hazards using Remote Sensing and a Cloud Computing Platform
4:20–4:40	Taubman, Matthew	Next Generation Electrical and Electromagnetic Geophysical Surveying for Geohazard
4:40–5:00		Q&A, Comment, and discussion period for the afternoon presentations

Technical Session #10: Dams and Levees Symposium, Part II

Conveners: Matt Huebner and Josh Shinpaugh

Room: Columbus B

Time	Speaker	Title
1:40–2:20	Bensko, Kathleen	Hydrofracturing – A Perspective of the Practical Challenges to be Overcome
2:20–2:40	James, Erik	Dam and Levee Seepage Cutoff Wall National Guide Specification Development
2:40–3:00	Terry, Thomas	USACE Hydraulic Fracturing Toolbox
3:20–3:40	Ueda, Hirokazu	Comparative Model Study of Shear Strength Evaluation on a Complex Weak Layer Underneath a Gravity RCC Dam
3:40–4:00	Kon, Shusaku	The Mechanism of Concrete Deterioration and its Progression Caused by Laumontite
4:00–4:20	Czajkowski, Cole	3D Visualization Aids in Risk Identification of Subsurface Conditions for Dam Sites
4:20–4:40	Missenda, Sarah	East Branch Dam – Issues and Emergency Response during Cutoff Wall Construction
4:40–5:00	Loar, Todd	Geological Engineering Conditions Controlling Rio Coca Regressive Erosion and Potential Mitigation Alternatives, San Luis, Ecuador

Technical Session #11: Land Subsidence Symposium Part II

Convener: James Borchers

Room: Columbus C

Time	Speaker	Title
1:40–2:00	Ellis, John	Subsidence in the Southern Central Valley, CA—Where We're at and What's Next? A Data-Driven and Modeling Perspective
2:00–2:20	Culkin, Sean	Monitoring and Modeling of Subsidence and Settlement from Groundwater Pumping at the Millennium Tower property – San Francisco, California
2:20–2:40	Sasowsky, Ira	Insights from a Long Record of Induced Sinkhole Development Related to Quarry Dewatering in Bucks County, Pennsylvania (Presented by Tony Rana)
2:40–3:00	Missenda, Sarah	Lessons Learned: Blairsville Sinkhole Repairs
3:20–3:40	van der Meulen, Michiel	Subsidence in the Dutch Lowlands
3:40–4:00	Stouthamer, Esther	Land Subsidence Mechanisms and their Interaction: Organic matter oxidation, Shrinkage and Creep (Presented by Pepijn van Elderen)
4:00–4:20	van Elderen, Pepijn	Enhancing Land Subsidence modelling: improved Creep Parameterization for Peat
4:20–4:40	Welch, Jennifer	Unveiling the Hidden Threat: Drought-Induced Inelastic Subsidence in Expansive Soils
4:40–5:00		Q&A

Technical Session #12: Engineering Geology in Southwest Pennsylvania

Moderator: James Hamel

Room: Innovation

Time	Speaker	Title
1:40–2:00	Gray, Richard	Understanding of Geotechnical Problems in both Eastern and Western Pennsylvania
2:00–2:20	Hamel, James	Prehistoric Landslides of the Upper Ohio Valley
2:20–2:40	Heinzl, Brian	SR68 Midland Road Emergency Landslide Repair, Let's Try Something Different
2:40–3:00	Hamel, James	Tectonic Faults in Near-Surface Rocks of Southwestern Pennsylvania

Technical Session #13: Geophysical and Site Investigations Part I

The Geophysical Assessments & Investigation Session will cover the latest in the application of geophysical methods and technology for complex evaluations. This session will cover how we determine what are the challenges to data collection and the best solutions to address those challenges. The goal is to have the most comprehensive evaluation tool possible.

Moderator: Luke Ducey

Room: Innovation

Time	Speaker	Title
3:20–3:40	Daniel, Joel	Investigation of Shallow Conditions Beneath a Concrete Floor with SIR, GPR and MASW Geophysical Methods
3:40–4:00	Granda, Daniel	Usage of Drones and Technologies in Dam Inspections
4:00–4:20	Epstein, Samuel	Geological Assessment of Upper Devonian Bluestone Resources, Orange County, New York

4:20-4:40	Diehl, John	Improving Geologic Fault Mapping in Urban Environments Using Shear Wave Reflection
4:40-5:00	Louie, John	Simplified Seismic Surveys for Non-Intrusive ASCE 7-22 Compliant Site Class, Rippability, Fault Location, and Design

FRIDAY, SEPTEMBER 13 – MORNING

Technical Session #14: Landslides in the Eastern US / Inventories and Susceptibility Mapping

Moderator: James Arthurs

Room: Columbus A

Time	Speaker	Title
8:00–8:20	Chan, Elise	Distribution of Landslides Triggered during Extreme Storms in Vermont: Tropical Storm Irene vs. July 2023
8:20–8:40	Krupansky, Joseph	Rock Slope Stabilization in High Traffic Railroad Corridors
8:40–9:00	Comuso, Christina	A Detailed Discussion on the Rockfall Mitigation Efforts and History at Rt 46 in Knowlton Township, New Jersey
9:00–9:20	Bauer, Jennifer	It’s in the Details - Site Characterization for Landslide Mitigation on SR32, Cocke County, Tennessee
9:20–9:40	Jones, Jacob	Applying Pipeline In-Line Inspection Data to Identify Landslide Impacts in Eastern Tennessee
9:40–10:00	Scheip, Corey	Using Computer Vision to Identify Recent Landslides from Lidar Change Detection Data: A Case Study from Eastern Kentucky, USA
10:20–10:40	Monaco, Thomas	Case Study: Multi-faceted Approach to Remediate an Emergency Landslip in Jefferson County, Ohio
10:40–11:00	Leffel, Victoria	Mapping Indiana’s Landslide Hazards: Integrating GIS Analysis for Understanding Geological and Anthropogenic Influences
11:00–11:20	Carter, Richard	Data Driven Tools for Landslide Situational Awareness in Western Canada and Eastern United States
11:20–11:40	Bown, Todd	Establishing Slope Monitoring Alarm Thresholds for Remediation of a Hazardous Waste Disposal Site
11:40–12:00	Keaton, Jeffrey	Stability Classification of Slopes and Landslides Updated to Include Level Ground

Technical Session #15: GASH/Dams & Levees/Geophysics Symposium

This session combines different geohazard investigation methods and approaches relevant to dams and levees projects. The symposium will provide an excellent opportunity for speakers to discuss case histories that illustrate cross-discipline collaboration and innovative methods and approaches for characterizing and remediating potential natural hazards associated with geologic features, including seismicity.

Conveners: Hawkins Gagnon and David Carpenter

Room: Columbus B

Time	Speaker	Title
8:00–8:20	Gagnon, Hawkins	Lewis Ridge Pumped Storage Project – Site Characterization of What Is and What Isn’t Part 1
8:20-8:40	Carpenter, David	Lewis Ridge Pumped Storage Project – Site Characterization of What Is and What Isn’t Part 2
8:40–9:00	Huebner, Matthew	Recent Geophysical Investigations at Tennessee Valley Authority Dams Focused on Karst Foundations
9:00–9:20	Shinpaugh, Joshua	Leveraging Multi-Channel Analysis of Surface Waves (MASW) to Inform Modification Design and Communicating Results
9:20–9:40	Rupert, Sarah Morton	Subslab Void Spillway Investigation using Time-lapse Ground Penetrating Radar
9:40–10:00	Gray, Mike	McCloud Dam Spillway Replacement: Successful Planning and Execution of a Complex Field Investigation
10:20–10:40	Carnevale, Mario	Multi-Method Geophysical Investigations for Assessment of Earth Dam Structures
10:40–11:00	Mirecki, June	Brackish Groundwater Dynamics in Response to Seepage Barrier Construction, Herbert Hoover Dike at Lake Okeechobee, Florida
11:00–12:00		Panel Discussion

Technical Session #16:

Room: Columbus C

8:00-8:15am		Presentation of Film: “Mystery of Melange” a short form documentary by Johnathann (Jay) C. Renna Reyes and Devin Moore
8:15am-12:00pm		Presentation and Discussion of Award-Winning Film “American River,” about a journey

down New Jersey's Passaic River, with Director Scott Morris

FRIDAY, SEPTEMBER 13 – AFTERNOON

Technical Session #17: Landslides in the Western US

Moderator: Kevin McCoy

Room: Columbus A

Time	Speaker	Title
1:00–1:20	Taylor, Gabriel	South Coldwater Creek Bridge Debris Flow – Emergency Response and Risk Evaluation
1:20–1:40	Zhu, Yichuan	Uncertainty Quantification of Negative Samples and Model Structures in Landslide Susceptibility Characterization Based on Bayesian Network Models
1:40–2:00	Darrow, Margaret	But at What Cost? Summarizing the Initial Response to Three Fatal Landslide Events in Southeast Alaska
2:00–2:20	Fontaine, April	Landslides and Climate Change - an Alaska Peer Exchange
2:20–2:40	Anovick, Claire	Slow and Steady: LiDAR Change Detection of Frozen Debris Lobe Mass Movement within the Brooks Range, Alaska

Technical Session #18: Geophysical and Site Investigations Part II

Moderator: Luke Ducey

Room: Columbus B

Time	Speaker	Title
1:00–1:20	Knott, David	The Development and Value of Coal Mining Desktop Studies
1:20–1:40	Dougherty, John	The Application of Environmental Sequence Stratigraphy During Remedial Design at the Puchack Well Field Superfund Site
1:40–2:00	Barnett, Elson	Channel Migration Zones Reduced by Levees, Revetments and Infrastructure for Site Development in Washington State
2:00–2:20	Stohr, Christopher	Role of Engineering Geologists in Controversial Climate Change Legislation: CO2 Sequestration
2:20–2:40	Barnett, Elson	Channel Migration Zones Reduced by Levees, Revetments and Infrastructure for Site Development in Washington State

Technical Session #19: Tectonic Studies

Moderator: TBD

Room: Columbus C

Time	Speaker	Title
1:00–1:20	Epstein, Samuel	Seismic Vulnerability of Potential Earthquakes New York Metropolitan Area (Presented by Dennis Askins)
1:20–1:40	Starr, Alison	Identifying Hidden Tectonic Structures (Faults) in Urban Development: Central Las Vegas Valley, Nevada, USA
1:40–2:00	Epstein, Samuel	Punctuated Tectonic Equilibrium Chixculub and Chesapeake Bay Toms Rivere Asteroid Impacts- Baltimore Canyon U.S. Offshore