



STEP UP YOUR GAME

Technical Conference

March 13, 2025

CEC Pittsburgh
700 Cherrington Parkway
Moon Township, PA

Sponsored by





Agenda

7:15	8:15	Registration / Coffee / Continental Breakfast	
8:15	8:20	Introductions	
8:20	8:45	<i>Reading the Past Through Soil and Stone: Methods in Geophysics and Geoarchaeology</i>	James Matthew Oliver and Cyrus Hulen
8:45	9:10	<i>Monitoring of Real-time Conditions with Remote Instrumentation for Slope Stability at Waste Disposal Facilities</i>	Zach Metzler and Brad Nagy
9:10	9:35	<i>3D Printed Scaled Landfill Modeling</i>	Janak Shah and Dirk BeGell
9:35	10:00	<i>Franklin County Sanitary Landfill Settlement Accommodation Plan</i>	Sabrina Mahjabin and Jonathan Niemiec
10:00	10:20	Networking Break	Poster Presentations & Vendors
10:20	10:45	<i>MOVES Modeling</i>	Angela Heisinger
10:45	11:25	<i>Panel Discussion: A Surveyor's Guide to Change, The Latest and Greatest Regarding Survey Technology and its Potential Effects on the Future of Surveying</i>	Cole Fiore, Brad Simpson, Logan Burdwood, and Mike Metz
11:25	11:40	Vendor Presentation: Regenesys	
11:40	1:00	Lunch	Poster Presentations & Vendors
1:00	1:15	Vendor Presentation: Dune Technologies	
1:15	1:40	<i>Will ZVI Effectively Degrade Pesticides in Groundwater? A Bench Scale Test</i>	Julia Wall



Agenda

1:40	2:05	<i>Republic Creosote Case Study</i>	Nancy Kessler
2:05	2:30	<i>Evaluating Per- and Poly Fluoroalkyl Substances and Microplastics Pollution Prevention Practices in Vermont Food and Beverage Packaging</i>	Emily Smith
2:30	2:55	<i>Design and Engineering of Dry-Stack Tailings Storage Facility - Vulture Mine Project</i>	Sajjad Satvati
2:55	3:10	Networking Break	Poster Presentations & Vendors
3:10	3:35	<i>More Isn't Always More: A case study in providing more value with fewer services</i>	Peter Chimera
3:35	4:00	<i>SD-1 Central Boone County Conveyance Project</i>	Ben Thompson
4:00	4:25	<i>Integrating AI Into our Daily Work Load: A PIESA Case Study</i>	Billy Jarrell
4:25	4:50	<i>Innovation Award - Ideate Automation and Revit File Management</i>	Brayden Behanna
4:50	5:00	Closing Comments	
5:00	6:00	Networking Reception	



STEP UP YOUR GAME

Presenters



Dirk BeGell, Tempe
*3D Printed Scaled Landfill Modeling
with Janak Shah*



Nancy Kessler, Toledo
Republic Creosote Case Study



Brayden Behanna, Pittsburgh
*Innovation Award - Ideate Automation
and Revit File Management*



Sabrina Mahjabin, Pittsburgh
*Franklin County Sanitary Landfill
Settlement Accommodation Plan
with Jonathan Niemiec*



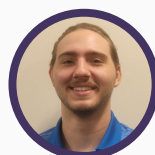
Peter Chimera, Nashville
*More Isn't Always More: A case study in
providing more value with fewer services*



Zach Metzler, Monroeville
*Monitoring of Real-time Conditions with
Remote Instrumentation for Slope
Stability at Waste Disposal Facilities
with Brad Nagy*



Angela Heisinger, Pittsburgh
MOVES Modeling



Brad Nagy, Monroeville
*Monitoring of Real-time Conditions with
Remote Instrumentation for Slope
Stability at Waste Disposal Facilities
with Zach Metzler*



Cyrus Hulen, Indianapolis
*Reading the Past Through Soil and Stone:
Methods in Geophysics and Geoarchaeology
with James Matthew Oliver*



Jonathan Niemiec, Pittsburgh
*Franklin County Sanitary Landfill
Settlement Accommodation Plan
with Sabrina Mahjabin*



Billy Jarrell, St. Louis
*Integrating AI Into our Daily Work
Load: A PIESA Case Study*



James Matthew Oliver,
Oklahoma City
*Reading the Past Through Soil and Stone:
Methods in Geophysics and Geoarchaeology
with Cyrus Hulen*



STEP UP YOUR GAME

Presenters



Sajjad Satvati, Phoenix

Design and Engineering of Dry-Stack Tailings Storage Facility – Vulture Mine Project



Ben Thompson, Cincinnati

SD-1 Central Boone County Conveyance Project



Janak Shah, Tempe

3D Printed Scaled Landfill Modeling with Dirk BeGell



Julia Wall, Knoxville

Will ZVI Effectively Degrade Pesticides in Groundwater? A Bench Scale Test



Emily Smith, Boston

Evaluating Per- and Poly Fluoroalkyl Substances and Microplastics Pollution Prevention Practices in Vermont Food and Beverage Packaging

Panelists

A Surveyor's Guide to Change, The Latest and Greatest Regarding Survey Technology and its Potential Effects on the Future of Surveying



Cole Fiore
Monroeville



Brad Simpson
St. Louis



Logan Burdwood
Pittsburgh



Mike Metz
Bridgeport



STEP UP YOUR GAME

Poster Presenters



Gretchen Addington, Pittsburgh

GROWING PAINS? Prescriptive Vegetative Development on Coal Combustion Residual Impoundments, A Collaborative Solution for Surface Impoundment Closure using Specialized Vegetation Development with Chris Garaventa



Baylee Kushner, Pittsburgh

Water Flows Downhill: An Artesian Well Installation Case Study at a CCR Landfill in West Virginia with Shane Lindquist



Hannah Comune, Columbus

Pursuing an After-the-Fact Permit using Atypical Wetland Delineation Methodology



Shane Lindquist, Pittsburgh

Water Flows Downhill: An Artesian Well Installation Case Study at a CCR Landfill in West Virginia with Baylee Kushner



Austin DeGaish, Houston

McMullen County Water and Wastewater Plants



Ryan Olson, Cincinnati

Building the Barrier: A Dive into Dam Design with Olivia Panella



Chris Garaventa, Pittsburgh

GROWING PAINS? Prescriptive Vegetative Development on Coal Combustion Residual Impoundments, A Collaborative Solution for Surface Impoundment Closure using Specialized Vegetation Development with Gretchen Addington



Olivia Panella, Cincinnati

Building the Barrier: A Dive into Dam Design with Ryan Olson



Savannah Honigford, Cincinnati

Streams of Knowledge: A Comprehensive Watershed Study



Jacob Rattay, Pittsburgh

The Carbon Footprint of the Volunteer State



Cameron Indeck, Boston

From Goodyear Tire to an Elementary School A Brownfield Project: Perception vs. Reality



Dustin Toothman, Bridgeport

Innovating Regional Master Planning with Esri Story Maps



Vendors



Dune Technologies

David Wardwell

(616) 450-5788

dave@dunetechnologies.com



Regenesis

Brett Hicks

(765) 256-0272

bhicks@regenesiis.com



Attendees

Gretchen Addington	Pittsburgh	Grant Maltba	Bridgeport
Celine Alkhayri	Cleveland	Johanna Martin	St. Louis
Dirk BeGell	Tempe	Andy McCorkle	Columbus
Brayden Behanna	Pittsburgh	Timothy Mersinger	Bridgeport
Lisa Brueggemeier	Columbus	Michael Metz	Bridgeport
Logan Burdwood	Pittsburgh	Zach Metzler	Monroeville
Peter Chimera	Nashville	Travis Montgomery	Oklahoma City
Emily Chiodo	Pittsburgh	Brad Nagy	Monroeville
Adam Cline	Cleveland	Jonathan Niemiec	Pittsburgh
Hannah Comune	Columbus	Matt Oliver	Oklahoma City
Joey Crookshanks	Columbus	Ryan Olson	Cincinnati
Dom Davido	Columbus	Olivia Panella	Cincinnati
Austin DeGaish	Houston	Michael Penn	Athens
Mike Ellis	St. Louis	Alex Ramon	Austin
Cole Fiore	Monroeville	Haylee Roach	Columbus
Cindy Fontanesi	Pittsburgh	Sajjad Satvati	Phoenix
Jason Fronczek	Monroeville	Eric Scuoteguazza	Pittsburgh
Chris Garaventa	Pittsburgh	Janak Shah	Tempe
Jon Greene	Austin	Parry Simmons	Cincinnati
Kathleen Grkman	Monroeville	Bradley Simpson	St. Louis
Bryan Hardin	Greenville	Sara Small	Pittsburgh
Angela Heisinger	Pittsburgh	Bruce Smith	Monroeville
Savannah Honigford	Cincinnati	Emily Smith	Boston
Cyrus Hulen	Indianapolis	Abby Stephenson	Austin
Cameron Indeck	Boston	Jared Stocking	Bridgeport
Bill Jarrell	St. Louis	Ben Thompson	Cincinnati
Deirdre Kelly	Pittsburgh	Dustin Toothman	Bridgeport
Nancy Kessler	Toledo	Julia Wall	Knoxville
Baylee Kushner	Pittsburgh	Kylie Wallace	Charlotte
Shane Lindquist	Pittsburgh	Ellie Wind	Indianapolis
Sabrina Mahjabin	Pittsburgh	Michael Worden	Knoxville