



STORMWATER SYMPOSIUM | 2026

PROPELLING SOLUTIONS

ABSTRACT TITLE GUIDE

THURSDAY, OCTOBER 14

9:30 am – Planning, Policy, and Governance

The Villanova Room

Moderator: Rachel Feldstein - NV5

- ***Green Stormwater infrastructure Adoption in PA among Small-to-Midsize Communities***
Jaron Campbell¹; Bhavik Gupta¹; Christine J. Kirchhoff¹, PhD, PE
The Pennsylvania State University¹
- ***Regulation Changes in Water Resources Industry: Challenges and Opportunities***
Roshan Simkhada¹, PE, CPESC, CPSWQ
Johnson, Mirmiran and Thompson, Inc¹
- ***Ordinance Auditing as Governance Diagnosis: Identifying Municipal Governance Pathways to Green Stormwater Infrastructure Adoption in Three Pennsylvania Cities***
Bhavik Gupta¹, Christine J. Kirchhoff¹, PhD, PE
The Pennsylvania State University¹
- ***Differential Impact of the Green Area Ratio and Stormwater Regulation in Washington DC***
Melissa Keeley¹, PhD; Andrea Herrera Krug²; Nils Berglund^{1,3}; Conor Wolosewicz¹; Ali Sorrels¹
George Washington University¹; District of Columbia Department of Energy and Environment²; Interfaith Power and Light³
- ***From Assessment to Implementation: A Replicable Model for Green Stormwater Infrastructure in the Brandywine- Christina and Chesapeake Bay Watersheds***
Lisa Timbers¹; Lisa Walsh¹; Natalie Kahn¹
Brandywine Conservancy¹

9:30 am – Stormwater Products and Infrastructure

The Cinema

Moderator: Rosa Mannion - NV5

- **Overview of the Stormwater Testing and Evaluation for Products and Practice (STEPP) and How Pennsylvania Communities Can Benefit**
Seth P. Brown¹
National Municipal Stormwater Alliance¹
- **Plastic Pipe for Deep Cover and Heavy Loading- Profile- Wall HDPE Pipe**
Tyler Dolgos¹
Soleno USA¹
- **MRC Expanded Retrofit for a New Public School- Case Study**
Zachary H. Ranstead^{1,2}, PE, LEED-AP, DFM
T&M Associates¹; Pennsylvania Association of State Floodplain Managers²
- **Sensored Permeable Pavement for Elevated Performance and Reduced Maintenance**
Aaron Fisher¹, PhD
Ernest Maier, Inc¹
- **Leveling the Field: Quality Control of Water Level Sensors for Large Scale GSI Monitoring**
Max Avener¹; Ryan Ebrahimi¹, EIT
Philadelphia Water Department¹

1:40 pm – Partnerships, Engagement, and Collaborative Delivery

The Villanova Room

Moderator: Nick Manna, PE - Jacobs Engineering

- **Partnership in Practice: How Collaboration Shaped the Bregy Schoolyard Improvement Project**
Rachel Feldstein¹; Rosa Mannion¹; Michael Connor¹
NV5¹
- **Bridging Science and Practice: Disseminating Urban Stormwater Innovations**
Rachel Kaintz^{1,2}; Andrew Erickson², PhD; John Gulliver², PhD
Pennsylvania State University¹; University of Minnesota²
- **GSI as Media: The Role of Community in the GSI Lifecycle**
Gordon Coonfield¹, PhD
Villanova University¹

1:40 pm – Stormwater Innovation and Emerging Technologies

The Cinema

Moderator: Michael Connor, PE, LEED AP - NV5

- **Implications of Cloudburst Intensification and Areal Reduction Factors for Stormwater Design**
Xin Zhou¹, MS; James Hunter¹, PhD
Morgan State University¹

- ***GSI Impact Hub: Capturing the Multiple Benefits of Green Infrastructure***
Lyndon DeSalvo¹, MS, AICP
The Nature Conservancy¹
- ***Assessment of Historical Microplastics Removal in Two Bioretention Systems of Different Ages***
Erica Forgione¹, PhD; Kelly Good¹, PhD
Villanova University¹

3:00 pm – Planning and Implementation Case Studies

The Villanova Room

Moderator: Ashley Mathias - Jacobs

- ***Centralized Green Stormwater Infrastructure (GSI) in City Parks***
Allison Hill¹, PE
Johnson, Mirmiran and Thompson, Inc¹
- ***Master Planning for Stormwater Flooding in Rockville, MD***
Eloise Gibby¹, PE
Hazen and Sawyer¹
- ***Right-of-Way Stormwater Projects in Tredyffrin Township***
Stephen Burgo¹, PE; Courtney Finneran², PMP; Nicholas Manna², MS; Daniel Wible², MS
Tredyffrin Township¹; Jacobs Engineering²

3:00 pm – Regional and Watershed Case Studies

The Cinema

Moderator: Domenic Rocco, PE - PA DEP

- ***Urban Flood & Habitat Resiliency in the Lower Darby Creek Watershed: A Case Study in Modeling and Community Engagement***
Richard Farella¹, PE, CFM
Princeton Hydro¹
- ***Leveraging Ecological Restoration for Resilient Infrastructure: SEPTA Jenkintown Flood Mitigation***
Tyler Charles¹, PE
Johnson, Mirmiran and Thompson, Inc¹
- ***Urban Waterway Restoration Through Flow Reintroduction: Water Quality Recovery***
Naomi Intrator¹, PhD
Philadelphia Water Department¹

To view the full abstracts, please visit bit.ly/ss26-abstracts or use the QR code below.

