



STORMWATER SYMPOSIUM | 2026

PROPELLING SOLUTIONS

POSTER TITLE GUIDE

Villanova Room

Source-Water Iodine Speciation Across Drinking Water Intakes and Implications for I-DBP Precursors

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Predicting Sediment Deposition in Green Stormwater Infrastructure: A Hybrid Modeling Approach

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Pretreatment Comparison in Green Stormwater Infrastructure Design: A Technical Overview

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How Often Do You Need to Clean Your Sediment Pond with Climate Change?

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Dynamics of Pollutant Loads in a Bioinfiltration SCM

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What We Know about SCM Performance under Climate Change Conditions

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The Pennsylvania State University, Department of Civil & Environmental Engineering and Department of Agricultural & Biological Engineering²

Assessment of Historical Microplastics Removal in Two Bioretention Systems of Different Ages

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Detecting potential clogging in floodplain area by modeling fine-sediment deposition

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An Initial Application of a Hydrologic Performance Index to a Long-Term Bioinfiltration Rain Garden

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The Role of Visual Microscopy in Microplastic Characterization: Complementing Raman Spectroscopy for Environmental Sample Analysis

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Evaluating the Hydrologic Implications of Gridded and Point-Based Precipitation Representation in Urban Watersheds

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Optimizing SCM Design using On-Site Data Collection and Computer Modelling

Conor D. Murphy¹; Amanda Hess¹; Robert Traver¹; Gerald Zaremba¹

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Exploring a quantification methodology to examine GSI performance variability under different environmental conditions

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A Method to Estimate the Long-term Nutrient Load of a Constructed Stormwater Wetland

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Evolution of Soil Media in a Stepped-Bioinfiltration System for Highway Stormwater Management

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Can GIS-Based Tools Capture Urban Nuisance Flooding? Testing the ArcGIS Pro Flood Simulation Tool in Germantown, Philadelphia

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An Observational Analysis of Human Activity, Physical Conditions, and Social Context Around Green Stormwater Infrastructure Sites in Kensington, Philadelphia

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Transport and Bioavailability of Heavy Metals Across Grain Sizes from Highway Sediments Deposited in Receiving GSI installations

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