

11th Annual Sustainable Raritan River Conference and Awards Ceremony



Resilience and the Raritan

Richard Weeks Hall of Engineering

Rutgers, The State University of New Jersey

Busch Campus

500 Bartholomew Road, Piscataway

Friday, June 7, 2019

Poster Session

1. Meredith Comi, NY/NJ Baykeeper, "Living Shoreline at NWS Earl, Raritan Bay"
2. Subhasis Giri, Dept. of Ecology, Evolution & Natural Resources, SEBS, "Assessing the Potential Impacts of Climate and Land Use Change on Water Fluxes and Sediment Transport in a Coupled Natural and Human System"
3. Monica A. Mazurek, Dept. of Civil and Environmental Engineering, SOE, "Understanding the Raritan HUC-08 Hydrologic Dynamics and Flow Responses Using an Integrated ArcGIS/USGS National Map Modeling and Geospatial Analysis Framework"
4. Zeyuan Qiu, Steve W. Lyon and Ellen Creveling, New Jersey Institute of Technology and The Nature Conservancy, "Defining a Threshold for Delineating Hydrologically Sensitive Areas in a Landscape: A Regional Perspective"
5. Dom Wirijowski, Dept. of Civil and Environmental Engineering Ph.D. Candidate, SOE, "Identifying Raritan River Basin Bridges Vulnerable to Hydraulic Failure"
6. Carrie Martin, Master of City and Regional Planning Candidate, EJB, "A Watershed-Based Approach to Flood Hazard Mitigation in the Raritan Region"
7. Kathy Hale, New Jersey Water Supply Authority, "A Watershed Control Plan for Cryptosporidium"
8. Philip Sontag, Center for Advanced Infrastructure and Transportation, SOE, "Optimization of Exoenzyme Sediment Extraction for Point-of-Use Trace Metal Sensor"
9. David A. Robinson and Mathieu R. Gerbush, Dept. of Geography, SAS, "Monitoring Weather and Climate in the Raritan Basin"
10. Mehdi Rahmati and Dario Pompili, Dept. of Electrical and Computer Engineering, SOE, "Near-real-time Water-quality Monitoring in the Raritan River using a Hybrid Network of Autonomous Vehicles and Static Stations"
- ~~11. Deborah Kratzer, New Jersey Department of Environmental Protection, "Surface Water Impairments Due to Road Salt"~~

12. Deepika Slathia, Center for Remote Sensing and Spatial Analysis students, SEBS, "Lead distribution in drinking water of some areas in Raritan Water Region: Understanding health implications and increasing public awareness"
13. ~~Heather Fenyk, Lower Raritan Watershed Partnership, "Mile Run Brook Clean-up"~~
14. Isabelle Stinnette, NY-NJ Harbor & Estuary Program, "Protecting Wetland Migration Pathways in New Jersey"
15. Kate Douthat and Jordan Plaut, Dept. of Ecology, Evolution & Natural Resources, SEBS, "Drivers of plant communities in stormwater detention basins"
16. Kelsey Mattison, Princeton Hydro, LLC., "Exploring (and Breaking) Binaries in American Environmental Thought"
17. Krista Parker, Karli Sipps, Georiga Arbuckle-Keil, Nicole Fahrenfeld, Depts. of Bioenvironmental Engineering and Civil & Environmental Engineering, SOE / Dept. of Chemistry, Rutgers-Camden, "Fourier transform infrared spectroscopy of microplastics in river bed sediments"2
18. Margaret Christie, Jennifer L. Clear, Christopher H. Vane, Jennifer Walker, Timothy A. Shaw, D. Reide Corbet, et al, various departments and schools, "Anthropogenic Changes to the Raritan River, New Jersey from Pre-European Settlement Through the Present"
19. Nazia Arbab, Office of Research Analytics, SEBS, and Dr. Jean Marie Hartman, Dept. of Landscape Architecture, SEBS, "Impact of scale variation on watershed runoff concentrations in the Raritan River Watershed"
20. Sanja Martic, Dept. of Landscape Architecture, SEBS, "Revealing the Unseen River, a River-centric Landscape Exploration"
21. Sophia Blanc, Alessia Eramo, and Nicole Fahrenfeld, Dept. of Civil & Environmental Engineering, SOE, "End of pipe treatment and regrowth of sulfonamide resistant E. coli in combined sewer overflow effluent"
22. Zikai, Zhou, Dept. of Civil and Environmental Engineering, SOE, "Hydrological Performance of Rain Gardens: Balance between Ponding Time, Soil Moisture, and Runoff Reduction"
23. Abdul Nasir, Jackie Cavaliere, and Laura Vogel, Advanced Environmental Geomatics students, SEBS, "Working with the Raritan River Real-Time Hydrological Observatory"
24. Alvin Chin, Justin Martinez, Donna Climent, and Eva Tillett, Advanced Environmental Geomatics students, SEBS, "New Brunswick Raritan River Conservation Area Drone Survey"
25. Liza Chang, Kiera Malone, Hannah Adickman, and Greta Donato, Advanced Environmental Geomatics students, SEBS, "Raritan River Basin: A Flood Inundation Analysis"
26. Sayra Reyes, Ryan Cooper, Amanda Lowell, and Morgan Crooks, Advanced Environmental Geomatics students, SEBS, "Flood Modeling of the Raritan River Using LiDAR"

EJB = Edward J. Bloustein School of Planning and Public Policy, Rutgers University

R3C = Rutgers Raritan River Consortium

SEBS = School of Environmental & Biological Sciences, Rutgers University

SOE = School of Engineering, Rutgers University