



Mid-Atlantic Chapter of the Ecological Society of America Annual Meeting 2018

“Ecology & the Brick City:
Nature in a Post-Industrial World”

April 7-8, 2018 at Rutgers University-Newark

FRIDAY APRIL 6

Evening Social

6:00 – 8:00 pm Join fellow ecologists for an evening networking social at Kilkenny Alehouse (27 Central Ave, Newark, NJ, www.kilkennynewark.com/)

SATURDAY APRIL 7

Main Conference

Paul Robeson Campus Center – Essex Room (campus map and parking directions on last page)

8:00-9:00 am Registration, Continental Breakfast

9:00-5:30 pm Guest speakers, lunch, oral and poster presentations (see following pages for further details)

Banquet and Student Award Presentations

6:00-8:30 pm Banquet, Special Presentation, and Student Presentation Awards

SUNDAY APRIL 8

Field Trip

Please note that since field trip space is limited pre-registration is required. Further trip details available on www.esa.org/midatlantic/2018-field-trip/

8:30 am Meet at Paul Robeson Campus Center (parking available in Washington Deck 2)

9:00 am Depart campus

9:30-2:30 Visit Liberty State Park, Jersey City, stop for lunch, then visit Richard W. DeKorte Park, Kearny (part of New Jersey Meadowlands)

3:00 pm Return to campus

PROGRAM DETAILS – SATURDAY APRIL 7

Paul Robeson Campus Center Essex Room

8:00-9:00 am Registration, Continental Breakfast

9:00-9:15 am Opening Remarks – Nancy Cantor (Chancellor, Rutgers University-Newark)

9:15-10:15 am Keynote Speaker – George Middendorf (Howard University, Environmental Justice Section of Ecological Society of America)

10:15-10:30 am Morning Break

10:30-11:30 am Panel Discussion – People, Nature and Sustainability in an Urban World

Nathaly Agosto-Filion (Chief Sustainability Officer, City of Newark), Myla Aronson (Principal Investigator, UrBioNet), Francisco Artigas (Director, Meadowlands Environmental Research Institute), Frank Gallagher (Director Environmental Planning and Design Program, Rutgers)

11:30-1:00 pm Lunch

12:00-1:00 pm Business Meeting (all are welcome to attend)

Hill Hall Center

1:15-2:15 pm Oral Sessions 1-4

2:15-2:45 pm Break

2:45-4:00 pm Oral Sessions 5-9

Paul Robeson Campus Center Essex Room

4:15-5:30 pm Poster Session, Afternoon coffee

6:00-8:30 pm Banquet

Address: Richard Pouyat (President, Ecological Society of America)

Special Presentation: Valeri Larko (American painter of urban and industrial landscapes)

Student Awards

ORAL SESSIONS – PART 1

	Conservation and Management <i>Room 101, Hill Hall</i>	Behavior <i>Room 102, Hill Hall</i>	Landscape Ecology <i>Room 104, Hill Hall</i>	Hackensack Meadowlands <i>Room 105, Hill Hall</i>	Population Dynamics <i>Room 107, Hill Hall</i>
1:15 PM	<p>Alexandria Shupinski, Timothy Maret, Shippensburg University</p> <p><i>Effects of wetland cattle grazing on bird diversity and species richness in south central and southeastern Pennsylvania.</i></p>	<p>Ashley Kennedy, Doug Tallamy, University of Delaware</p> <p><i>What bluebirds eat: Arthropods in the diet of Eastern Bluebirds (<i>Sialia sialis</i>) in Delaware</i></p>	<p>Timothy Forrest, Daniel Druckenbrod, Rider University</p> <p><i>Topography and tree growth at the Fernow Experimental Forest, West Virginia</i></p>	<p>Ross Feltes, New Jersey Sports and Exposition Authority</p> <p><i>Natural resource activities in the Hackensack Meadowlands</i></p>	<p>Christina Asumadu, Yannick Kenfack, Anthony Cullen, Rutgers University -Newark</p> <p><i>Tracking two invasive viburnum species in northern New Jersey, New York, and Pennsylvania</i></p>
1:30 PM	<p>Nicholas Huron, Matthew Helmus, Temple University</p> <p><i>Extinctions point to different levels of morphological and functional role diversity loss in a genus of island lizards.</i></p>	<p>Allison Brackley, Georgetown University</p> <p><i>Pupation in the city: Why survival through an understudied life stage is a key hurdle for urban insects</i></p>	<p>Jeff Keller, Habitat by Design</p> <p><i>Functional habitat patch size vs. total habitat amount: The importance of patch shape at habitat thresholds</i></p>	<p>Gabrielle Bennett-Meany, Ross Feltes, New Jersey Sports and Exposition Authority</p> <p><i>Studies on the floral of the Hackensack Meadowlands</i></p>	<p>Nichole Gustafson, Angela Ricono, The College of William and Mary</p> <p><i>Using spatial structure in demographic traits to predict clonal architecture in <i>Asclepias syriaca</i></i></p>
1:45 PM	<p>Hannah Roos, Timothy Maret, Shippensburg University</p> <p><i>Habitat use, movement, and home range of bog turtles (<i>Glyptemys muhlenbergii</i>) in southeastern, PA</i></p>	<p>Elizabeth DiBiase, David Bowne, Elizabethtown College</p> <p><i>Temporal changes in landscape heterogeneity as an influence on freshwater turtle habitat in Lancaster County, PA</i></p>	<p>Kathleen Farley, Claus Holzapfel, Rutgers University-Newark</p> <p><i>Changes in courtship season of American Woodcock across an urban landscape</i></p>	<p>Brett Bragin, Drew McQuade, New Jersey Sports and Exposition Authority</p> <p><i>Three surveys of the fishery resources of the lower Hackensack River, 1987 to 2015</i></p>	<p>David De La Mater, Harmony Dagleish, The College of William and Mary</p> <p><i>Range-wide biogeographic patterns in common milkweed traits and demonstrated plasticity</i></p>
2:00 PM	<p>Jennah Krause, Alyssa Taylor, Elizabethtown College</p> <p><i>Influence of land cover and distance on predation of simulated turtle nests</i></p>	<p>Margaret Ramirez, Allison Fitzgerald, New Jersey City University</p> <p><i>Is feeding behavior affected when <i>Uca pugnax</i>'s competitor, <i>Sesarma reticulatum</i>, is introduced?</i></p>	<p>Jacob Leale, Tiffany Green, University at Buffalo</p> <p><i>Do the use of Geographic Information Systems (GIS) accurately assist in the prediction of <i>S. minor</i> migratory and courtship habitat in NJ when degraded lands are incorporated?</i></p>	<p>Drew McQuade, Aleshanee Mooney, New Jersey Sports and Exposition Authority</p> <p><i>Avian research in the Hackensack Meadowlands</i></p>	<p>*Presenting author name is in bold. Full author lists and abstracts are available online at www.esa.org/midatlantic/agenda-2018-ma-esa-conference/</p>

ORAL SESSIONS – PART 2

	Invasion <i>Room 101, Hill Hall</i>	Restoration <i>Room 102, Hill Hall</i>	Species Interactions <i>Room 105, Hill Hall</i>	Freshwater Ponds and Wetlands <i>Room 107, Hill Hall</i>
2:45 PM	<p>Carmela Buono, Kirsten Pior, Binghamton University (SUNY)</p> <p><i>Are ecological systems resilient to invasions? A systematic review of ecological response post invasive species management</i></p>	<p>Serafima Kurepa¹, Tomer Duman², (1) Montclair State University, (2) University of New Mexico</p> <p><i>Soil CO2 efflux response to varying environmental conditions in an urban tidal wetland in New Jersey</i></p>	<p>Teresa Mendoza, Anthony Cullen, Rutgers University -Newark</p> <p><i>What's all the buzz about? An investigation into the pollinators and pollination requirements of two invasive viburnum shrubs</i></p>	<p>Robert Beidler, Rebecca Urban, Lebanon Valley College</p> <p><i>The effect of road salt on aquatic bladderworts</i></p>
3:00 PM	<p>Adam Mitchell, Doug Tallamy, University of Delaware</p> <p><i>From green to brown: Restructuring of arthropod communities following plant invasion in the Mid-Atlantic</i></p>	<p>Kristen Tomasicchio¹, Tomer Duman², (1) Rutgers University - Newark, (2) University of New Mexico</p> <p><i>Modeling plant mediated methane emissions in an urban, tidal estuary using a 1 dimensional process based model</i></p>	<p>Daniel Turner, Jocelyn Behm, Temple University</p> <p><i>The strength of biological control from ground-level arthropod predators across an urbanization gradient in southeastern Pennsylvania</i></p>	<p>Paradyse Blackwood, Nicholas Buss, Binghamton University</p> <p><i>The effects of temperature on tadpole plasticity to NaCl and susceptibility to parasites</i></p>
3:15 PM	<p>David Grow, Vanessa Beauchamp, Towson University</p> <p><i>Ecological impacts of an invasive tree recently escaping arboreta</i></p>	<p>Allison Fitzgerald¹, Meredith Coomi², (1) New Jersey City University, (2) NY/NJ Baykeeper</p> <p><i>Monitoring the invertebrate diversity of a restored oyster reef in the Bronx River, NYC</i></p>	<p>Harmony Dalglish¹, Sivan Yair^{1,2}, (1) College of William and Mary, (2) UC Davis</p> <p><i>Herbivory as a continuous state variable in an IPM: increasing variance in damage among plants increases population growth rate</i></p>	<p>Alyssa Taylor, David Bowne, Elizabethtown College</p> <p><i>Impact of environmental factors on potential nest temperature of the painted turtle (<i>Chrysemys picta</i>)</i></p>
3:30 PM	<p>Matthew Helmus, Jocelyn Behm, Temple University</p> <p><i>A global analysis of exotic species richness supports the island-isolation premise of the equilibrium theory of island biogeography</i></p>	<p>Kylie Langlois, Jackie L. Collier, Stony Brook University</p> <p><i>Environmental selection or ecological drift? Characterizing the microbial community of nitrogen removing biofilters (NRBs)</i></p>	<p>Soren Struckman, John J. Couture, College of William and Mary</p> <p><i>Effects of growth-defense trade-offs on population growth rate in <i>Asclepias syriaca</i>: A trait-based integral projection model</i></p>	<p>Jessica Moon¹, Denice Wardrop², (1) University of Arkansas, (2) The Pennsylvania State University</p> <p><i>Homogenization of microbial habitats: a multivariate index of headwater wetland complex condition</i></p>
3:45 PM	<p>Jocelyn Behm, Matthew Helmus, Temple University</p> <p><i>Incorporating biotic resistance in models to predict the establishment probabilities of exotic species</i></p>	<p>Seth Wollney, Graduate Center, and College of Staten Island, CUNY</p> <p><i>Different bacterial communities in restored site compared to local ponds</i></p>	<p>*Presenting author name is in bold. Full author lists and abstracts are available online at www.esa.org/midatlantic/agenda-2018-ma-esa-conference/</p>	

POSTER SESSION 4:00 – 5:30 PM

PS1 – Education

- 1 Epp Schmidt, Dietrich and Stephanie Yarwood, University of Maryland. *Learning by doing: using the classroom as a proving ground for analytical methods in microbial community ecology.*
- 2 Griffith, Alan, University of Mary Washington. *Students as technology consultants promote Vision and Change competencies.*

PS2 – Agricultural Systems

- 3 Cherneskie, Kirk, Finney, Denise, Smith, Drew, and Brian Mitchell, Ursinus College. *Assessing the soil organic matter building potential of conventional and organic vegetable production systems.*

PS3 – Restoration

- 4 Chinikaylo, Maria, Cole, Cassia, Rowlands, Brice, Kalada, Kellie, and Kenneth Klemow, Wilkes University. *Assessing success of a Forest Reclamation Approach in a northeastern Pennsylvania anthracite mine site.*
- 5 Heffelfinger, Scott, Grohowski, Amber, Heid, Cassidy, Weston, Jillian, Kovalick, Michael, Savakinas, Savannah, and Kenneth Klemow, Wilkes University. *Revegetation of a natural gas pipeline right of way in Pennsylvania: A first year assessment.*
- 6 Berg, Maddie and Christine May, James Madison University. *Urban Stream Restoration: A Comparison of Conveyance Channels and Floodplain Reconnection / Material Processing Channels.*
- 7 Comi, Meredith¹ and Allison Fitzgerald², (1) NY/NJ Baykeeper, (2) New Jersey City University. *Living Shoreline at Naval Weapons Station Earle.*
- 8 Cote, David and Vanessa Beauchamp, Towson University. *Efficacy of hand weeding and native reseeding for control of invasive *Oplismenus undulatifolius*.*
- 9 Jeppi, Ginny, Beauchamp, Vanessa, and Joel Moore, Towson University. *Initial effects of stream restoration via legacy sediment removal in the Piedmont province, Maryland.*
- 10 Rossi, Alessandra¹, Giudicelli, Ariane², Zerbe, Kevin¹, Hsu, T. David¹, and Meiyin Wu¹, (1) Passaic River Institute at Montclair State University, (2) NY-NJ Harbor & Estuary Program. *Litter Quantification and Characterization on the Lower Passaic River and Two of Its Tributaries.*
- 11 Nottingham, Austin and Mary Bisson, University at Buffalo. *Assessing the Cadmium Bioremediation Potential of *Chara longifolia*, in Freshwater and Saltwater Sediments.*

PS4 – Urban Ecology

- 12 Brennehan, Michelle, Giberson, Ryan, Schimmel, Kyle, Austin, John, and Jeffrey Stratford, Wilkes University. *The Effect of Urbanization on Mammalian Species Richness.*
- 13 Huber, Danielle, Frazee, Lauren, and Lena Struwe, Rutgers University. *Green space and lawn management: a snapshot of grounds operations in the NYC- PHL-NJ metropolitan area.*
- 14 DiBiase, Elizabeth¹, and Melissa Hey², (1) Elizabethtown College, (2) University of Virginia. *Testing the effects of light pollution on growth and intraspecific competition in common milkweed, *Asclepias syriaca*.*
- 15 Rodriguez, Jeanette, Burke, Russell, and Maureen Krause, Hofstra University. *Comparison of three techniques for estimating population size of raccoons on Rulers Bar Hassock, New York.*
- 16 Yesilonis, Ian¹, Szlavecz, Katalin¹, Setälä, Heikki², Kotze, D. Johan², Chang, Chih-Han¹, Dec, Adam¹, Canyon, Christian¹, and Christopher Swan³, (1) Johns Hopkins University, (2) University of Helsinki, (3) University of Maryland, Baltimore County. *Life in abandoned land: Soil biodiversity on vacant lots.*
- 17 Douthat, Kate¹ and Allyson Salisbury², (1) Rutgers University, (2) Rutgers University – Newark. *Plant communities of stormwater detention basins in New Jersey: types, drivers, and stability over time.*
- 18 Ramkissoon, Arun, Ardia, Daniel, Rodriguez, Yosvany, Irvin, Addie, and Matthew Tancer, Franklin & Marshall College. *Factors affecting forest mammal diversity in an urbanized landscape.*

PS5 – Wildlife Management: White-tailed Deer Overabundance

- 19 Rath, Stefani, McMackin, Grace, Higgins, Edward, Bryntesson, Fredrik, and Eugene Potapov, Bryn Athyn College. *Human activity and animal movement: are they connected?*
- 20 Townsend, Adriana, McCanuel, Stacey, and Todd Hurd, Shippensburg University. *Stable isotope determination of Whitetail Deer diet in adjacent agriculture and forested habitats of Pennsylvania.*
- 21 DiBenedetto, Andrew and Janet Morrison, The College of New Jersey. *Deer herbivory on *Podophyllum peltatum* and its implications for competition with invasive plants.*

PS6 – Forest Community Dynamics and Biodiversity

- 22 Harrison, Patrick, Lynch, Lauren, and Eric Wiener, Ramapo College of New Jersey. *Subcanopy and canopy tree recruitment, mortality and growth rates in a hardwood forest in the New Jersey Highlands.*
- 23 Wheeler, Lisa, Beauchamp, Vanessa, and Harald Beck, Towson University. *Earthworm dynamics in a temperate deciduous forest.*
- 24 Morris, Timothy, Buono, Carmela, and Kirsten M. Prior, Binghamton University, SUNY. *Pervasive ants shape ant and arthropod community structure.*

POSTER SESSION 4:00 – 5:30 PM

PS6 – Forest Community Dynamics and Biodiversity, con't

- 25 Cather, Zac and Mark Norris, Stevenson University. *The effect of Eastern Hemlock on forest and stream ecosystems.*
- 26 Proano, Kiara and Janet Morrison, The College of New Jersey. *Variation in mycorrhizal fungi abundance in suburban forests: consequences for fibrous and taproot plants.*
- 27 Shreeve, Lydia and Mark Norris, Stevenson University. *Comparison of the Arboreal Community in the Tree canopy habitats of a deciduous forest.*

PS7 – Invasion

- 28 Licata, Fabiana¹, Block, Morgan¹, Utz, Ryan M.¹, Henshue, Nicholas J.², and Hannah Rosche¹, (1) Chatham University, (2) SUNY Buffalo. *Lack of elevated invasive earthworm densities in association with an invasive grass, Japanese stiltgrass (*Microstegium vimineum*), in deciduous forest understories.*
- 29 Moore, Eric¹, D'Amico, Vince^{1,2}, and Tara L.E. Tramell¹, (1) University of Delaware, (2) 2USDA Forest Service, NRS-08. *Assessing urbanization and plant invasion pressures on the forest understory.*
- 30 Syder, Cierra, Link, Arthur, and Ryan Utz, Chatham University. *Short-term impact of managing an invasive plant species, *Berberis thunbergii*, on understory flora communities in an eastern North American deciduous forest.*
- 31 Morrison, Janet, The College of New Jersey. *Drivers of Japanese stiltgrass invasion into suburban forests: an experimental approach.*

PS8 – Evolution

- 32 Wiebalk, Cara, Frazee, Lauren, and Lena Struwe, Rutgers University. *Early seedling growth rates of *Plantago rugelii* (*Plantaginaceae*) from urban and rural populations.*
- 33 Gutierrez-Ozuna, Ricardo, McGuire, Jack, and Matthew B. Hamilton, Georgetown University. *Testing the urban homogenization hypothesis: genetic effective number of breeders (N_b) in the long-lived tulip tree (*Liriodendron tulipifera*).*
- 34 Cohenour, Olivia and Carlos Iudica, Susquehanna University. *Conservation and taxonomy of the eastern coyote (*Canis latrans*) of Eastern North America.*
- 35 Kulesza, Evelyn and Wendy Clement, The College of New Jersey. *Examining the evolutionary rainbow of fruits in honeysuckles (*Lonicera*).*

PS9 – Trophic Dynamics and Food Webs

- 36 Mecouch, Katelyn, and Janice L. Krumm, Widener University. *Predation risk of *Epimecis hortaria* model caterpillars on four host plant species.*
- 37 Myers, Alyssa, Perkowski, Evan, and Janice L. Krumm, Widener University. *Impacts of monophagous host plant diets on lipid and water content of the polyphagous moth *Epimecis hortaria*.*
- 38 Fagundez, Samantha, Grunberg, Rita, and Michael V.K. Sukhdeo, Rutgers University. *Cercarial productivity in the North Branch of the Raritan River in New Jersey.*
- 39 McKean, Elise, Grunberg, Rita, and Michael V.K. Sukhdeo, Rutgers University. *Parasite Communities of *Fundulus diaphanus* in River and Lake Ecosystems in New Jersey.*
- 40 Geraci-Yee, Sabrina, Stony Brook University. *Insights into an opportunistic pathogen: the ecology of Quahog Parasite Unknown (QPX), a parasite of the hard clam, *Mercenaria mercenaria*.*
- 41 Lee, Susan, Meadley Dunphy, Shannon, Powell, Thomas H.Q., and Kirsten M. Prior, Binghamton University. *Altered interactions for species on-the-move: A comparison of host-parasitoid interactions between a species' native and expanded range.*
- 42 Nausbaum, Max, Grunberg, Rita, and Michael V.K. Sukhdeo, Rutgers University. *Seasonal Prevalence of *Plagiorhynchus cylindraceus* in Three Isopod Hosts.*

PS10 – Freshwater Aquatic Biodiversity and Water Quality

- 43 Berliner, Julia, Aguirre, Jason, Agyeno, Jonathan, Willmart, Nicholas, and Jonathan Schmitkons, Binghamton University. *Common antibiotic sulfamethoxazole disrupts denitrification in stream sediment microcosms.*
- 44 Leland, Guy, Haban, Desiree², Grove, Michael, Richmond, Courtney, and Nathan Ruhl, Rowan University. *Monthly differences in diel patterns of crustacean and dipteran zooplankton export from a polymictic reservoir.*
- 45 Czajkowski, Caitlyn, Chase, Thomas, Grove, Michael, Richmond, Courtney, and Nathan Ruhl, Rowan University. *Seasonal Variation in Zooplankton Community Composition and Export from a Polymictic Reservoir.*
- 46 Perkowski, Evan¹, Mecouch, Katelyn¹, Krumm, Janice L.¹, and Elizabeth K. Shea², (1) Widener University, (2) Delaware Museum of Natural History. *Unionid mollusk and freshwater fish species diversity of the Duck River watershed, Tennessee.*
- 47 Jacobson, Juliana, Ellameh, Carol, Fitzgerald, Allison, and Meriem Bendaoud, New Jersey City University. *Can mussels remove harmful bacteria from our local waters?*
- 48 Wagner, Haley and Rebecca Urban, Lebanon Valley College. *Effect of organic matter on an isoeid's ability to change sediment redox potential.*
- 49 Mazzaro, Melissa, Montclair State University. *Biomonitoring the Water Quality of the Third River Using Benthic Macroinvertebrates.*

POSTER SESSION 4:00 – 5:30 PM

PS10 – Freshwater Aquatic Biodiversity and Water Quality, con't

- 50 Acosta-Caraballo, Yaritza and Meiyin Wu, Montclair State University. *Phytoplankton Assemblages in Selected Freshwaters of New Jersey.*
- 51 Provost, Nicole and Meiyin Wu, Montclair State University. *New Jersey American Water: water demand and the dependence on reservoir water quality.*

PS11 – Marine Ecology and Biochemistry

- 52 O'Connell, Thomas, Schmid, Jacob, Anderson, Alex, Gross, Mason, and William J. Biggers, Wilkes University. *Effect of Hydrogen Peroxide on Survival and Glutathione-s-transferase activity of the Polychaete Annelid Capitella teleta.*
- 53 Tsai, Gwendolyn¹, Gaither, Claudia², Brady, Monica¹, Battocletti, Amy¹, Wimp, Gina¹, and Matthew B. Hamilton¹, (1) Georgetown University, (2) Yale University. *Tests for genetic edge and area effects in natural patches of the salt marsh plant *Spartina patens*.*
- 54 Halligan, Laura and Jackie Collier, Stony Brook University. *Are labyrinthulomycetes a source of essential fatty acids to marine animals?*
- 55 Schweitzer, Karin, Collier, Jackie, and Darcy Lonsdale, Stony Brook University. *Can we identify marine sewage outfall plume with satellite imagery?*

PS12 – Climate Change

- 56 Fertakos, Matthew E., Aaron, Lee, Zhang, Linda, and Wendy L. Clement, The College of New Jersey. *Insights from 120 years in the past: Using historical specimens to study plant phenology in Mercer County, NJ.*
- 57 Kottler, Emily and Keryn Gedan, George Washington University. *Soil seed bank dynamics across an ecotone of marsh migration.*
- 58 Garcia, Andrew¹, Burke, Russell¹, Hazard, Lisa², Liwanag, Heather³, and Kent Hatch⁴, (1) Hofstra University, (2) Montclair State University, (3) California Polytechnic State University, (4) Long Island University Post. *Incubation Temperature Differences in Diamondback Terrapin Metabolic Rate.*

PS13 – Physiology

- 59 McDermot, Covell¹, Minocha, Rakesh¹, D'mico, Vince^{1,2}, and Tara Trammell¹, (1) University of Delaware, (2) USDA Forest Service. *Native red maple (*Acer rubrum* L.) tree physiology: dying or thriving in the city?*
- 60 Figueras, Miranda¹, Burke, Russell², Hatch, Kent², and Beverly Roeder³, (1) Hofstra University (2) Long Island University CW Post (3) Brigham Young University. *Metabolic rates, Q10 coefficients, and reaction norms of hatchling turtles: Comparisons with behavior.*

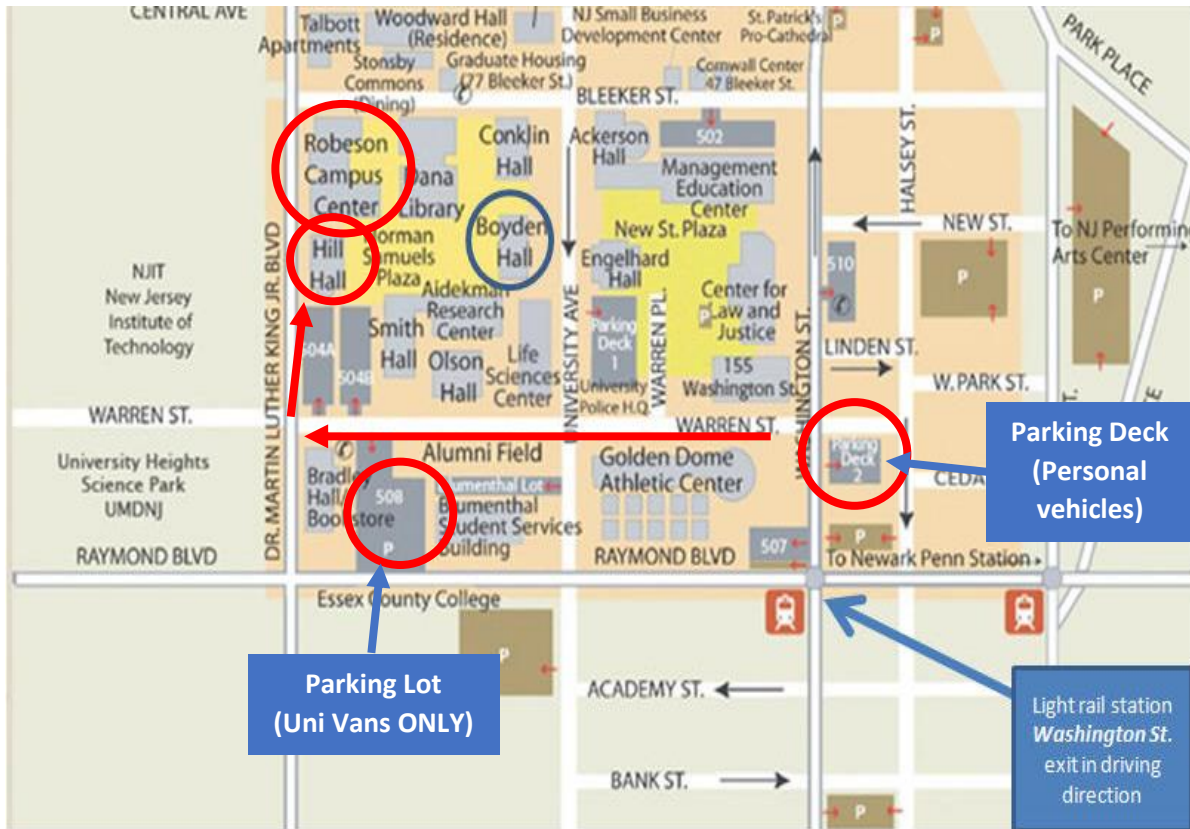
PS14 – Wildlife Conservation

- 61 Bergen, Nicole and Meiyin Wu, Montclair State University. *Evaluating the success and monitoring the usage of wildlife crossing structures in Bedminster, New Jersey.*
- 62 Eugene, Adriana¹, Kanonik, Alexandra², and Russell Burke¹, (1) Hofstra University, (2) American Littoral Society. *The Effects of Plastic and Metal Predator Excluders on Diamondback Terrapin (*Malaclemys terrapin*) Nest Temperatures, Hatching Success, and Hatchling Sex Ratios.*
- 63 Zostant, Melissa¹, Burke, Russ¹, and Laura Francoeur², (1) Hofstra University, (2) Port Authority of NY & NJ. *Tarmac terrapins: Comparing two populations of Diamondback Terrapins (*Malaclemys terrapin*) in New York City's Jamaica Bay.*

PS15 – Behavior

- 64 Li, Richard¹, and Elizabeth Carlen², (1) Columbia University, (2) Fordham University. *Analyzing the effects of urbanization on the flight initiation distance of New York City feral pigeons (*Columba livia*).*
- 65 Potapov, Eugene, Bryntesson, Fredrik, Higgins, Edward, Rath, Stephany, Roth, Kevin, and Grace McMackin, Bryn Athyn College. *Is there a gender conflict between male and female deer over territory?*
- 66 Aydin, Leyla, Deleshaw, Justus, Lane, Catherine, Petukh, Alan, Yadav, Aina, and Eric Wiener, Ramapo College of New Jersey. *Wind direction and migrant raptor pathway selection through the Atlantic Flyway.*
- 67 Kalmbacher, Mo and Anya Goldina, Elizabethtown College. *Behavioral response of the invasive crayfish *Orconectes rusticus* to opposite-sex chemical signals.*
- 68 Snyder, Elizabeth, Bryntesson, Fredrik, Clymer, Laura, Roth, Kevin, Rath, Stefani, Higgins, Edward, and Eugene Potapov, Bryn Athyn College. *Effect of ambient noise on the movement of the White-Tailed deer in fragmented suburban landscape.*
- 69 Meredith, Jacqueline and Tanya Matlaga, Susquehanna University. *Quantifying the movement efficiency of terrestrial salamanders across aquatic barriers.*
- 70 Schubach, Sarah, Howard, Aaron, and Riley Secor, Franklin and Marshall College. *The effect of flower color.*

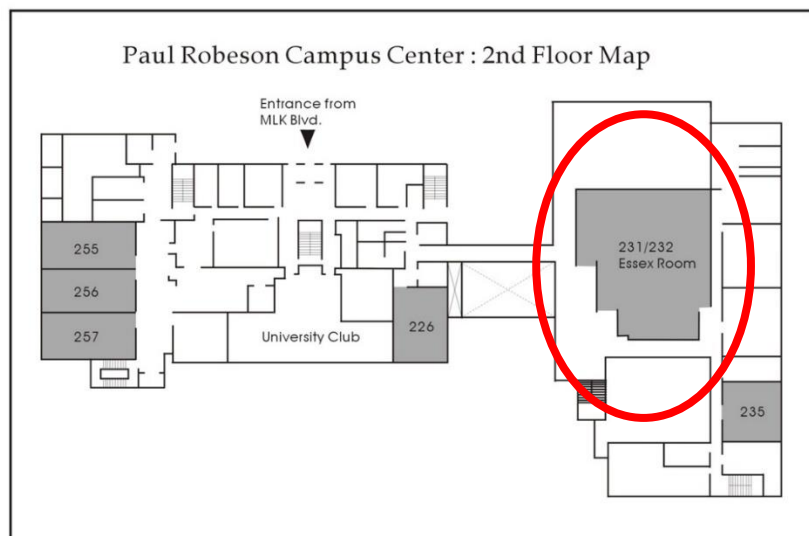
CAMPUS MAP



Parking: Personal Vehicles - Rutgers Newark Parking Deck 2, 166 Washington St, Newark
University Vans ONLY – Bradley Lot, 110 Warren St, Newark

Main Conference: Paul Robeson Campus Center, 350 Dr. Martin Luther King Jr. Blvd

Oral Presentation Rooms: Hill Hall, 360 Dr. Martin Luther King Jr. Blvd



Main Conference: Essex Room (2nd Floor of Campus Center)