



PROFESSIONAL WOMEN'S NIGHT

July 21, 2016

The Lineup of our Professionally STEM Talented Women

Amy S. Ackerman, Ph.D.

Associate Professor of Instructional Technology
School of Education, Stockton University



- Amy's trek to becoming a college professor of instructional technology started as a camp counselor and baby sitter when she attended middle school in Collingswood, NJ. She hustled a variety of part-time jobs from retail sales to working on an assembly line in a factory that made fly strips (to catch bugs). Juggling her menagerie of jobs with multiple scholarships enabled her to earn her Bachelor of Arts in Elementary Education from The College of New Jersey where she first launched into technology by a random assignment as a student worker in the Educational Media Department. Additional degrees in Amy's repertoire include a Master of Arts in Educational Media from Temple University and a Ph.D. in Instructional Systems from Florida State University.
- An exciting ensemble of jobs in Amy's footprint included teaching 6th grade science and math; Media Director in a public school; College Professor at Valdosta University in Georgia; Penn State, and UC Berkeley; Instructional Designer for Bell Telephone Laboratories; Classroom Trainer for the US Navy on a submarine base in Japan; Workshop Designer and Instructor for a shoe company in Australia; and Owner and President of a woman's business, specializing in staff training and development.

Lakaisha Ajaegbulemh

Computer Scientist

NAS Enterprise Integration

WJH Technical Center

Federal Aviation Administration



- ▶ Lakaisha Ajaegbulemh is a Computer Scientist at the Federal Aviation Administration in Pomona NJ. She holds a Master's Degree in Systems Engineering from Steven's University and a Bachelor of Science Degree in Computer Science from Voorhees College. She has over 22 years of professional experience working in various areas of Information Technology (IT) including programming, analyzing/testing and project management. She has received numerous recognition awards from her job as well as a nomination among her peers for outstanding technical leader.
- ▶ Lakaisha also volunteers at various STEM outreach events and is an advocate for promoting STEM. She is a volunteer of American Engineering and Science Robotics Academy yearly for the STEM outreach for girls. A member of NSBE (National Society of Black Engineers) and was elected to be vice president where she will continue to work in the community promoting the need for STEM.

Lisa Betty, P.E.

Environmental Engineer and Chair
Mathematics Department
Pleasantville High School



- ▶ Lisa Betty is the Chair of the Mathematics Department of Pleasantville High School. She was their teacher of the year in 2013 and her AP Calculus classes were the first in school history to achieve passing scores. She is also co- advisor of the school chapter of NSBE the National Society of Black Engineers.
- ▶ Lisa has a Master's Degree in Environmental Engineering from the Brooklyn Polytechnic Institute of NYU. In her earlier career she managed 5 water treatment plants for the New York City DEP.

Jane Biddle

President
Biddle Associates



- ▶ Jane Biddle, a strategic marketing consultant, is semi-retired from a 45-year career in high tech. Building on her early days as a Data Processing Manager, Ms. Biddle joined Hewlett Packard to serve its manufacturing customers as an implementation specialist for manufacturing solutions. Over time, she earned a BS in Computer Science and an MBA at Rivier College, paving the way to becoming an Industry Analyst. Market visibility led to a later career as Chief Marketing Officer for international technology firms.
- ▶ Today Jane serves NJMEP, a non-profit organization helping manufacturers around the state, as an active member of the Board of Directors. For more information, please see Jane Biddle's profile on LinkedIn.

Diane K. Brown

Cyber Security Consultant
CISSP CyberSecurity



- ▶ Diane Brown is a cybersecurity expert. Diane has a Master's Degree in Computer Information Systems and a Bachelor of Science in Electronics Engineering Technology. She is an accomplished cyber security consultant with over 20 years of experience tightening information security and improving networks for some of the world's top companies and federal agencies. Her specialties include technical security assessments consisting of vulnerability scanning, network architecture reviews, penetration testing, and compliance reviews (PCI, PII, GLBA, HIPAA/HITECH, ISO27001). Diane has special expertise as an Information Security Specialist and Lab Administrator for an FAA NextGen SWIM Laboratory. She provides both technical and business management advisory services to Banks, Federal Government Agencies and commercial enterprise.

Sarah Castillo

Business Systems Analyst, Digitization
TD Bank



- ▶ Sarah Castillo, Business Systems Analyst, is a graduate of NYU the School of Engineering with a BSc in Applied Physics with a minor in Bio-molecular Science. She's worked in multiple fields, stretching from automation in manufacturing, developmental biology software, to Financial Technology. Currently, in financial technology, she's working as a Business Systems Analyst - a title which translates to 'problem solver'. Beyond solving problems, her goals include becoming bilingual, and sharpening development skills, and having constant traveling adventures.

Justine Ciraolo

Executive Director
Academic Lab & Field Facilities
Stockton University



- ▶ Justine Ciraolo is Executive Director of the Academic Laboratories and Field Facilities at Stockton University. Justine is an alumnus who graduated in 1996 (BS in Chemistry). Justine worked at the Department of Environmental Protection as an Assistant Chemist while attending Stockton. After graduation, she work for Whitehall Robins Health Care as a Research Scientist. Justine received her MS in Chemistry from Drexel University and began working as an adjunct professor of Chemistry at Stockton in 2000. Justine began teaching Chemistry and preparing Chemistry laboratories in 2005 and in 2007 was promoted to Assistant Director of the Academic Laboratories and Field Facilities. Justine was promoted to Executive Director in 2012 and is very active in STEM programs.
- ▶ In the Fall 2016, Justine will begin the Ed.D. Program in Organizational Leadership at Stockton University.

Katie Conrad

Fish and Wildlife Biologist
United States Fish and Wildlife Service



- ▶ Katie Conrad has been a Biologist for the U.S. Fish and Wildlife Service at the New Jersey Field Office for two years. Her primary task is managing Hurricane Sandy-funded coastal resiliency projects that restore wildlife habitat and benefit the surrounding communities by improving water quality and reducing flooding. These projects include dam removal, fish passage, and living shoreline construction. Before coming to New Jersey, she worked for the NYC Department of Parks and Recreation on riparian and wetland restoration projects for three years. She has a Master's Degree in Conservation Biology from Columbia University and a Dual Bachelor's Degree in Biology and International Affairs from the University of New Hampshire. This year she has become an amateur farmer and has chickens and bees.

Holly M. Cyrus

Project Manager

Airport Safety Technology R&D Section
FAA William J. Hughes Technical Center
Atlantic City, NJ



- ▶ **Holly M. Cyrus** is currently a project manager for the Airport Safety Technology R & D Section, ANG-E261, at the FAA William J. Hughes Technical Center, Atlantic City, New Jersey. She performs research and development of Visual Guidance equipment and Pavement Marking Materials. She has been with the Federal Aviation Administration for 27 years. Her experience includes two years with the Environmental Engineering Branch, Depot Engineering, AAC-445C where she found replacements for obsolete parts for lighted nav aids and engine generators. She worked for eleven years with the Navigation and Landing Branch, AOS-240, in Oklahoma City, OK performing modifications and field support of lighted nav aids. Holly is a graduate of the University of New Mexico, Albuquerque, New Mexico U.S.A. She received her Bachelor's degree in Mechanical Engineering. She is a graduate of Capella University, Minneapolis, Minnesota. She received a Master's in Business Administration. She has been in Toastmasters for fifteen years and is a Distinguished Toastmaster (DTM). She has also been in IEEE for fifteen years and is an IEEE Southern New Jersey Employment and Career Activities Coordinator Region 2, P & P Committee Member, and past Women In Engineering (WIE) Committee Member at the International level.

Mary R. Delemarre

Electrical Engineer

NextGen Concepts Integration Section

Federal Aviation Administration

WJH Technical Center

Atlantic City Int'l Airport, NJ



- ▶ Mary Delemarre is an Electronics Engineer at the Federal Aviation Administration. She holds a Master's Degree in Electrical Engineering from Drexel University and a Bachelor of Science Degree in Electrical Engineering from Rutgers University College of Engineering. She has over 25 years of professional experience working in various areas of electrical, computer, communications, and systems engineering. Her experience includes developing prototype systems, programming, UNIX systems administration, web development, and project lead. She is a project lead in the FAA's NextGen Integration and Evaluation Capability usually working on several projects at a time including a project on Space Vehicle Operations Impact Analysis and integrating System Wide Information Management data services. She is co-chair of the local Women In Engineering branch and is very active with a STEM activities including the Robot Challenge.

Linda Dotts

Professional Services Specialist
Academic Lab & Field Facilities
Stockton University



- ▶ Linda Dotts is a Professional Services Specialist in the Academic Laboratories and Field Facilities at Stockton. She provides faculty support and prepares upper level laboratory sections of Biology and Chemistry. Linda is an alumnus of Stockton who graduated in 2010 (Biology, minor Marine Science). Linda completed research on the Great Bay Harbor Seal Colony through the Stacy Moore Hagan Memorial Scholarship. After graduation, Linda worked for Rutgers at the Aquaculture Innovation Center in Cape May (oysters) and as a marine field research technician (sea grass). She is a Credentialed Veterinary Technician since 2007 and has worked with both small and large animals and most recently has become a Registered Assistant Laboratory Animal Technician. Linda is also actively involved with providing support for the STEM programs offered here at Stockton.

Kelly Doyle

Water Resources Engineer
Princeton Hydro



- ▶ **Kelly Doyle** graduated from Villanova U. with a B.S. in Civil Engineering and a minor in Environmental Studies and then from MIT with a S.M. in Environmental Engineering, funded through an NSF grant to study rainwater harvesting in Rwanda. She worked at a small consulting firm in Madison, WI doing specialty work related to flooding, storm water management, and dams. She currently work at a consulting firm in New Jersey doing work related to stream restoration, dam removals, and hydraulic modeling.

Bess Dyer

Director Management Information Systems Cape May County



- ▶ **Bess Dyer**, Director of Management Information Systems for Cape May County, earned her Computer Specialist diploma from the Cape May County Technical School in 1997. Cape May County hired Bess to an entry level position as it began hiring employees with advanced computer skills. After obtaining advanced IBM training and attending Novell Network Administrator training at Cumberland County Community College, Ms. Dyer was promoted to System Administrator of the county's mainframe and Network Administrator of the county's network. In 2001 she transferred to the Cape May County Prosecutor's Office as a Confidential Assistant where she built a private network that includes and electronic records management system and intelligence sharing between the Prosecutor's Office, local police departments and state agencies. In May 2014 she was promoted to Director of Management Information Services and is now responsible for all aspects of technology within the County Government.

Stormy Freese

Microbiologist and Director BSL3 Laboratory
Mosquito Control Commission
Cape May County



- ▶ Stormy Freese, Director of the BSL3 Laboratory at the Cape May County Mosquito Control Commission, graduated from Middle Township High School in 2009, and in 2011 received her Associate's Degree in Applied Science from Atlantic Cape Community College. In Fall 2011 she started at Stockton College and graduated with a B.S. in Biology. During her last year of college she took a course in Microbiology and this opened her mind to a possible new career path. While taking the Microbiology course she began looking for opportunities to work in laboratories or with pathogens to explore her career options before making a career decision. She found an open position at the Cape May County Department of Mosquito Control BSL3 Laboratory and began the first Monday of May as a seasonal employee. In January 2015 she became fulltime as Manager of the BSL3 Laboratory. At the annual mosquito conference held in February 2016, Stormy received the 2015 Outstanding Mosquito Worker award. She also introduced the RTPCR test for Zika and Chikungunya at the Cape May County BSL3 Laboratory and has begun to give free seminars about Zika virus to the public. Stormy hopes to continue her education to earn an M.S. in Microbiology.

Sophia Georgiou

Morphi app Designer, CEO

www.morphiapp.com



- ▶ Sophia and her team created Morphi, a simple, powerful 3D design and printing application for all, available for iPad and Mac (coming soon for iPhone Android and Windows). In Morphi, people of all skill levels can create in 3D from anywhere without wifi using touch. Morphi is being used in over 95 countries across 6 continents for 3D modeling and printing, 3D drawing and sketching, inventing and prototyping, stop motion animation, graphic design and much more. Sophia is a member of FatCat Fab Lab, a designer in residence at NYIT's Technology Based Learning Systems and a FabLab DC collaborator.

Mary Graves, Ph.D.

Executive in Biotechnology and
Infectious Disease
Roche Pharmaceuticals (retired)



- ▶ Mary Graves spent 25 years as a Roche scientist and leader with a focus in biotechnology, and infectious and autoimmune diseases. She managed drug discovery research for 15 yrs. (NJ and UK) and led Roche business development teams for 10 yrs. She played important roles in advancing 8 drugs into human clinical testing, and 3 eventually became marketed medicines. This exciting career path spanned areas unlike anything she imagined while in college because, like in any cutting edge area, they didn't exist yet! Mary's academic path included earning Chemistry BS at Tenn Tech; PhD in Chemistry at UNC, and postdoctoral research in molecular biology & biochemistry @ U Cal Berkeley. Mary married fellow PhD classmate, and they raised 3 children, including a daughter who has chosen a STEM career. Mary retired from pharmaceutical business, and is finally pursuing other interests: continuing education online; building affordable homes for disadvantaged families in the US and Guatemala; mentoring girls and women; Board president of community mental health center; AAUW NJ - Nutley member.

Anne Harlan

Retired Director

FAA Wm. J. Hughes Technical Center



- ▶ Dr. Anne Harlan is the retired Director of the FAA William J. Hughes Technical Center, a multi-million dollar, 1500 person research and development organization dedicated to aviation research. Anne received her M.A. and Ph.D. from the Ohio State University in Organizational Psychology, and has worked in academia (she was one of the first women faculty members at Harvard Business School), management consulting, and research and development. Though retired, she is the V.P. of the Stockton Aviation Research and Technology Park Board, and serves on many other boards including the Stockton Center for Public Policy and Historic Gardner's Basin Waterfront Foundation. In addition to being a commercial, multi-engine instrument rated pilot, she is an Associate Fellow of the American Institute of Aeronautics and Astronautics and a Senior Member of the Institute of Electrical and Electronics Engineers.

Gayle Hughes

Engineering Instructor

Rowan College of Gloucester County



- ▶ **Gayle Hughes** is an Engineering Instructor at Rowan College at Gloucester County (RCGC). She is also as an adjunct instructor at Rowan University in the Math and Engineering departments. Her background in teaching also includes over 10 years as an online math instructor at American Public University System, Thomas Edison State University, RCGC and Rowan University. She is at member of the AAWCC.
- ▶ She graduated from Rutgers University with a BS in Electrical Engineering and an MS in Bio-Medical Engineering. Her thesis was on Data Compression Techniques with medical imaging data.
- ▶ She worked for Lockheed Martin designing communication satellites as a Senior System Engineer and did research and development on satellite imagery. She also taught over 500 engineers System Engineering Methodology during her employment.
- ▶ Her interests now include 3D printing, robotics, rocketry, and underwater robots for her freshman and sophomore Engineering Clinic courses at RCGC. She is also working to help improve engineering student success by participating with Rowan University on research studies.

Marie Kee

Aerospace Engineer

William J. Hughes Technical Center

Federal Aviation Administration



- ▶ Marie Kee is an Aerospace Engineer originally from Hampton Roads, Virginia. Prior to federal civilian service, she attended Virginia Polytechnic Institute & State University (Virginia Tech) and earned a Bachelor of Science in Aerospace Engineering with emphasis on Astronautics in 2009. After graduating, she landed her first job with the U.S. Department of Transportation Federal Aviation Administration NextGen Modeling and Simulation Branch located at the William J. Hughes Technical Center (WJHTC), where she has been primarily conducting fast-time simulations and working on data analysis activities for numerous NextGen projects. Some of the projects she has been involved with spanned the following topics of commercial space vehicle operations, unmanned airspace systems, aircraft performance, Staffed NextGen Towers, and weather requirements. Seemingly what once began as fantasies about Star Wars adventures and a fascination with flying during her adolescent years is now launching towards the stars as budding career in the aviation/aerospace industry.
- ▶ During downtime, Marie enjoys indulging in numerous hobbies, spending time with family and friends, and serving as a volunteer with both the Human Rights Campaign Philadelphia Steering Committee and several local Science, Technology, Engineering, Mathematics, and Medical (STEMM) outreach initiatives.

Christine Krause

VP Sr. IT Manager Development
TD Bank



- ▶ **Christine Krause**, is a Senior Application Manager at TD Bank, with a BSBA in Information Systems from Shippensburg University. Christine has worked for Corestate Bank, GMAC Mortgage, a specialty Chemical Company, Deloitte and David's Bridal before joining TD Bank. She has 27 years Information Technology experience, working various areas in technology before becoming a manager. In her current role she owns banking applications on the technology side, manages a group of 8 people and is responsible for production and project support. She recently won the CEO Leadership award at TD Bank.

Beth Krawczuk

Senior Programmer/Analyst
LabCorp



- ▶ Beth Krawczuk has been working almost 20 years as a web programmer. Initially, Beth went to Montclair State University for fine arts, but an introduction to the internet and web programming sparked a complete career change, for which she is grateful. While in college, Beth became the Web Project Manager and led the effort to get professors and coursework online (by designing and programming most of it herself!) For the past nine years Beth has been working for LabCorp, programming data-driven web applications that aid pathologists in managing patient cases and deliver test results directly to patients. This is rewarding work because the more efficient our applications are, the more accurate our diagnoses are, and the quicker a prognosis and course of action get to our patients. Beth is a strong advocate for girls in STEM. Beth's motto is "the solutions to problems of this century ... will require the skills of engineers and computer scientists and the perspectives and approaches that come from diverse minds. When women are not represented in these fields, we're leaving half our workforce out of innovation opportunities. We all lose."

Melissa (Missy) Krupp

Teacher, Southern Regional High School
Adjunct, School of Education,
Stockton University



- ▶ **Missy Krupp** has spent several years in higher education earning an undergraduate degree in Special Education with a concentration in Spanish, a Master of Arts in Teaching (MAT), Master of Arts in Instructional Technology (MAIT), and has also taken 10 additional graduate level courses in instruction, curriculum, and mathematics. As a high school teacher at Southern Regional High School (Manahawkin, NJ) for the past fourteen years, Missy has had the opportunity to teach all core content areas being Highly Qualified in Math, Science, English, History as well as Spanish. She also has the pleasure of working at Stockton University teaching as an adjunct in the School of Education teaching technology to pre-service teachers.
- ▶ Missy's passion is to provide the utmost quality of education by seamlessly infusing instructional design at each stage of her teaching while providing a meaningful and fun experience. Currently, her new passion is 3D printing and design whereby her students will create hand prosthetics for those in need around the world using a 3D printer starting Fall 2016.

Inga La Puma, Ph.D.

Science Communication Director
North Atlantic Fire Science Exchange



- ▶ Inga La Puma, Science Communication Director for the North Atlantic Fire Exchange, graduated from George Mason University with a Bachelor's in Geography, earned a Master's in Biology from Florida International University, a PhD in Ecology from Rutgers and did postdoctoral studies on forest ecosystem modeling at the University of Wisconsin. Her research spans water quality studies in South Florida to climate experiments on the tundra of Alaska to fire history studies in the New Jersey Pinelands. Through it all she has maintained her geographic roots and used spatial analysis to evaluate ecosystems functions and disturbances through space and time. She is an expert in Geographic Information Systems (GIS) and spatial and ecosystem modeling. In her current position she summarizes and explains technical aspects of wildfire science to wildlife managers and wildlife scientists who may not have a science background. She also promotes communication between wildfire managers and scientists to facilitate more relevant research. Inga is a lifelong ballet dancer and loves organic gardening, hiking, camping, botanizing and traveling. Married to the Director of the Cape May Bird Observatory, Inga and her husband have two young daughters, aged 5 and 7.

Beth Maher

Global Banking Technologist (Retired)



- ▶ Beth Maher received a BA from the College of St. Elizabeth in Mathematics and a MA from New Jersey City University in Math/Secondary Education. She also studied Computer Science at NJIT. She has worked in Technology for many years, the last 20 in Global Investment Banking Technology at Deutsche Bank, State Street, PNC Bank, Citigroup and Key Bank. She supported an Investment Banking System performing analysis, development, testing, training users, system support and writing documentation. This involved writing reports and customer statements, monitoring dividend, interest and corporate action events and file transfer between various banking systems.
- ▶ She is a member of Association for Women in Computing, Northern New Jersey Chapter, and has served on their board as Communications and Publicity Chairpersons. She is also a member of AAUW-NOCB and participated on their scholarship committee.

Trish Marchesani

Technology Business Operations and Governance
Vice President
TD Bank



- ▶ **Trish Marchesani** is a technology finance professional with over twenty-five years of experience working in the technology area providing financial support and guidance to a wide-range of initiatives, ongoing activities and company investments. She has worked at three major corporations in this capacity providing fiscal stewardship, business analytics and leadership. Her background includes a position as a Chief Finance Officer in a local non-profit that's mission supports women and children. She currently co-leads TD Bank's U.S. Technology Women In Leadership committee which promotes employee personal and professional development and supports the communities in which we live with a focus on STEM programs that engage and empower women and girls to create a future with technology.

Nancy T. Mauro, P.E.

Senior Engineer

Cape May County Department of Public Works



- ▶ Nancy T. Mauro is a licensed professional engineer with 28 years of experience in the environmental field. Nancy graduated from Rutgers University in 1988 with a degree in civil engineering. Upon graduating, she worked for private consulting firms in northern New Jersey and Virginia, concentrating in the field of solid waste. She has also worked for several public sector entities, and been employed for the last 14 years by the County of Cape May as a senior engineer responsible for all aspects of environmental compliance. Nancy has worked on a variety of projects including designing transfer stations, recycling center and landfill gas extraction systems, participating in waste composition studies, designing underground storage tank fuel facilities, supervising construction projects including a landfill cell, conducting a four year terrapin nesting habitat study and overseeing the remediation of contaminated sites, including the multi-million dollar cleanup of an airport.

AnnMarie McMahon, LEED, AP

Director of Facilities and Services
Cape May County



- ▶ AnnMarie McMahon, Facilities Director, Cape May County Facilities and Services, is the first woman to hold that position. AnnMarie previously worked for the FBI White Collar Crime and Terrorism squads and as Assistant Office Manager. She became a member of a design committee to construct a new building, where she became interested in architecture. She told her husband “I think I’d like to be an architect.” So at 30 years old, leaving a career at the FBI to pursue architecture, AnnMarie commuted from Cape May County to Philadelphia University daily to earn a Bachelor’s of Architecture in 2007. Because of her FBI background AnnMarie is particularly interested in security type projects and is currently working on a court house renovation and a new correctional facility as well as countywide security upgrade project. Her department maintains approximately 120 county buildings by paying utility bills, grounds maintenance, housekeeping, construction, HVAC, plumbing, electrical and anything else related to facilities. She doesn’t remember anyone coming to her high school to counsel students on career choices, so AnnMarie looks forward to answering career questions.

Susan Monroe

Assistant Professor, Mathematics
Brookdale Community College



- ▶ Sue Monroe received her Ph.D. in Applied Mathematics from SUNY Stony Brook in August of 1994, with a concentration in operations research. She worked as an Analyst for the US Department of Energy and as strategic planner for Weyerhaeuser Fine Paper, and QVC. All of these positions encompassed developing and utilizing large scale optimization models. After 7 years she left industry to become Executive Director of Chester County Futures, a non-profit mentoring and scholarship program that supports high-achieving, at-risk youth toward their goal of a college education. She is currently in her 10th year as a Math Professor at Brookdale Community College. In addition to teaching she has worked on a grant from NASA to encourage more women and underrepresented minorities in STEM and is the advisor to the W.E.S.T. Club, (Women in Engineering, Science and Technology.) In addition to work she volunteers for many STEM Outreach projects with AAUW, the Girl Scouts, and the New Jersey Coastal Section of IEEE. She is also the current president of her local board of education. She resides in Bradley Beach, NJ with her husband and two sons.

Heather O'Shea

Water Resource Engineer/Hydrogeologist
Owner of Global Hydro LLC

www.globalhydroinc.com



- ▶ **Ms. O'Shea** is a Water Resource Engineer/Hydrogeologist with 10 years of professional experience encompassing sustainable water resources development, wastewater infiltration solutions, ground-water flow and transport modeling, surface-water modeling, water quality modeling, and hydrogeologic testing. She recently formed Global Hydro LLC, a small company focusing on the mid-Atlantic region, however, also completing projects around the country and around the world by partnering with larger engineering firms or volunteer programs, such as Engineers Without Borders.
- ▶ Heather received her undergraduate degree in Civil/Environmental Engineering from the University of Vermont and her Master's degree in Fluid Mechanics/Water Resource Engineering from the University of Colorado. After completing her Masters' degree, she stayed out west and lived in CO and MT for eight-years before moving back to NJ in 2013. Her passion for the environment began at a very young age through outdoor activities, particularly hiking, skiing, biking, and boating, and continues today through those same activities, as well as through her work. Ms. O'Shea's interest in water resources and desire to make a positive contribution to society have resulted in a passion and commitment for finding practical and effective solutions for clients, communities, and the environment.

Janet Papciak

Operations Supervisor,
Elizabethtown Gas (AGL Resources)



- ▶ **Janet Papciak** was hired in 1979 as the first woman in the operations area as a mechanic. She started as an apprentice learning her occupation in the natural gas industry. She was trained to respond to emergency gas leaks, all natural gas appliance repair, meter change-out, and meter activates. She worked through the progressive classifications and was at a Service Technician rate by 1991. In 1994, she was promoted to Field Operations Supervisor. She supervises 15 first responders that perform various emergency response functions and general utility operations with residential and commercial customers.

Anna Pfeiffer-Herbert

Assistant Professor of Marine Science
Stockton University



- ▶ Anna Pfeiffer-Herbert is an oceanographer and assistant professor of marine science at Stockton University. She studied Biology at Carleton College in Minnesota and received graduate degrees from the University of California Santa Cruz and University of Rhode Island. Anna is originally from the Pacific Northwest, where she first fell in love with the ocean. At age 12 she aspired to be a dolphin communication researcher, but over time became more interested in ocean physics. Her research now focuses on currents in coastal areas of the ocean and how patterns of water circulation affect the distribution of marine life. Anna has had opportunities to visit many interesting places for work and personal travel, including Cuba, Nepal and the Great Barrier Reef of Australia. She and her husband, an artist, live in southern New Jersey with their two young sons.

Gina Petruzzelli

Professional Services Specialist
Academic Laboratories and Field Facilities
Stockton University



- ▶ Gina Petruzzelli is a Professional Services Specialist in the Academic Laboratories and Field Facilities at Stockton. She provides faculty support and prepares Biology and Chemistry laboratory courses. She also collects and reports weather data to the Jacques Cousteau National Estuarine Research Reserve from the Nacote Creek Marine Field Station. Gina has over 17 years of experience as a Marine Research Technician at Rutgers University and has published 7 research articles. Gina is also actively involved with providing support for the STEM programs offered here at Stockton.

Virginia Rettig

Refuge Manager

Edwin B. Forsythe National Wildlife Refuge



- ▶ Virginia Rettig has been the Refuge Manager at Edwin B. Forsythe NWR in southern New Jersey for nearly six years. She received her B.S. in Environmental and Forest Biology in 1991 from the College of Environmental Science and Forestry in Syracuse. In 1994 Virginia received an M.S. in Wildlife Biology from Louisiana State University. Her Master's project was entitled "Use of Agricultural Fields by Migrating and Wintering Shorebirds in Southwest Louisiana." Upon graduating, she held several positions in wildlife research working on songbirds in northern Louisiana, Aleutian Canada geese in northern California, and wading birds in Maryland. In 1995, she began working for the U.S. Fish and Wildlife Service in the Lafayette, LA Ecological Field Office. She then transferred to the National Wildlife Refuge System, working at the Southeast Refuges complex, Cat Island NWR, and Cape May NWR. She then spent two years as an Assistant Refuge Supervisor in the Regional Office in Hadley Massachusetts.

Karen Rubinstein

Teacher, Technology
Lawrence Township Public Schools



- ▶ Karen Rubinstein is a teacher of technology and robotics to students in grades 4, 5 and 6 (children ages 9 to 12) in Lawrence Twp, NJ. She mentors 6th graders to become technology leaders and they assist her in running the "Hour of Code" for 900+ students in their school. As part of her curriculum, Karen teaches her young students 3D printing and design, robotics and web-based applications. Recently, she was awarded a large grant from Bristol Myers Squibb to renovate her technology classroom and create a "design thinking Makerspace" lab with hopes of inspiring her students to confidently become innovators and game-changers. Prior to joining Lawrence Township Public Schools, Karen worked in educational technology sales for 15 years
- ▶ Karen has a bachelor's degree in elementary education and is currently finishing up her masters degree in educational technology.

Batsheva (Shevi) Salberg, Ph.D.

VP Communications, AAUW of New Jersey
IT Process and Metrics Specialist (Retired)



- ▶ **Shevi Salberg** received her BS in Psychology from Brooklyn College, City Univ. of NY. She also earned Master of Arts and PhD in Industrial/Organizational Psychology, a social science degree which is considered a STEM profession. This required studying scientific research methods, advanced statistics, and computer data analysis/programming. As an Industrial Psychologist, Shevi worked as a Research Analyst for several corporations (including Metropolitan Life and IBM). She also worked as Tests & Measurements Specialist for the NYC Department of Personnel, developing employment tests and training other Specialists. Shevi also worked as a Consultant for the Newark Board of Education, analyzing student test scores. Mid-career, she made a career change, becoming a Systems Analyst and a Process and Metrics Specialist at AT&T. After “retiring” from AT&T, Shevi worked for Northrop Grumman on a Process Improvement project for the US Army at Fort Monmouth, NJ; as a Metrics Specialist/Consultant for JP Morgan Chase, analyzing and reporting on IT Infrastructure data; and as a “Data Analyst” for an educational software company.
- ▶ Shevi currently serves as the VP of Communications and Webmaster for AAUW of New Jersey, and for the AAUW Freehold (Area) Branch, providing technical support, managing and maintaining the web sites, the AAUW NJ Facebook page, Google+, and LinkedIn Group. She also prepares communications and provides communications support to the Branches.

Amy Savage

Assistant Professor, Biology

Rutgers University-Camden



- ▶ **Dr. Amy Savage** is an Assistant Professor in the Biology department and the Center for Computational and Integrative Biology at Rutgers University-Camden. Amy is a community ecologist who specializes in the effects of positive species interactions on biodiversity and the ecology and evolution of urban ecosystems.
- ▶ A first generation college student, Amy first became interested in understanding ecology as a child hiking in the forests and swimming in the rivers of western Montana. She pursued an undergraduate degree at The Evergreen State College, where she conducted her first independent research. She continued to develop her research skills as a Masters student at Western Washington University and a PhD student at Rice University. For her dissertation, Dr. Savage traveled to the South Pacific to investigate the effects of a mutualism between a native plant and an invasive ant on diversity across the Samoan Archipelago. Recognizing the role of humans in Ecology became increasingly important to her, and she conducted research in the 'islands' in the middle of Broadway in Manhattan as a postdoctoral scholar at North Carolina State University.
- ▶ Moving forward, Dr. Savage strives to meet the needs of basic and applied ecologists simultaneously, by addressing basic ecological questions in systems with management and/or conservation significance. More specifically, she is interested in understanding how the interplay among species interactions, chronic stress, and disturbance shape the diversity, composition and resilience of ecological communities, particularly in the context of rapid human-driven global changes. She also teaches undergraduate and graduate courses on Ecology and Biostatistics and mentors undergraduate and graduate students at Rutgers-Camden.

Jennifer Soule

Senior IT Manager Data/
Information Management
US Technology Solutions



- ▶ **Jennifer Soule** is an accomplished and resourceful professional with over 20 years of success leading organizations to achieve accelerated revenue growth, key efficiency improvements and operational excellence. She has BSBA in business administration, majoring in accounting, with a minor in English. She also has earned her sig sigma black belt and holds a certificate in project management. Over the last 20 years Jennifer has developed a vast skill set across accounting, finance, sales, marketing, operations and technology. Jennifer is currently managing all the business intelligence technology platforms in the US for TD Bank.

Donna Steacker

Technical Project Manager

TD Bank



- ▶ **Donna Steacker** found her love for fabrics and textiles could be merged with technology. While exploring colleges for mathematics, teaching or accounting fields, she saw Snoopy calendars being printed out via a computer and she welcomed this new tool into her life. She received a **B.S. of Computer Science** from a women's college, Douglass College of Rutgers University. Her STEM classes were filled with 97% men as Rutgers merged colleges together. During graduation the key note speaker held up strange orange ring of cable - Fiber Optic cable and spoke of its future in our lives. Fascinated Donna researched without Google and started her 30 year career in Data and Telecommunications. Here she designed modems and diagnostics equipment moving onto a PC network when PCs were just born then to other high tech equipment for the Data Centers and phone companies. She moved into sharing her desire to be a teacher by sharing her technical and product knowledge with Company Presidents and technicians alike. Her technical edge got her a promotion to **Director of Canadian and Latin America Sales**. Traveling to the future customers is places like Brazil, Uruguay, Mexico and Toronto, it is through this Sales and Marketing position that she assisted a little local design and manufacturing company grow into a global know Data and Telecommunication leader.
- ▶ Currently Donna stays closer to home as she raises her two teenagers and is **Technical Project Manager** for one of the largest financial institutions in North America, TD Bank, America's Most Convenient Bank. As an active community member, Donna is also a long time **Girl Scout leader** providing an environment and fun for teenage girls to experience STEM and other avenues for their future lives. Her daughter found herself being thrown into a forensics science class when the 8th grade French class was cancelled. Initially her home was filled with much drama over this "mistake"; however, as the school year went by, her daughter found she had a knack for forensics science. She is thankful that she recognized her "Snoopy calendar" event and embraced it. I am thankful for continuous "Snoopy calendars" that come our way.

Lois Trench-Hines

President and CEO
Meniscus Limited



- ▶ **Lois Trench-Hines** holds a Bachelor's degree in Chemistry with a minor in Biology from Chestnut Hill College, and a master's degree in Biochemistry with a minor in Information Science from American University. Lois has held positions at the National Cancer Institute and Lankenau Hospital, Philadelphia, as well as a broad spectrum of positions within the pharmaceutical industry, including bench scientist, clinical monitor, communications professional, and product manager for several oncology agents including tamoxifen for which she was honored by her clinical and industry peers. In 1982, she founded Meniscus Limited, a healthcare marketing, communication, commercialization and strategic planning company. She also established SciStrategy Communications, a healthcare communication company. A rowing advocate, Lois established the Hines Rowing Center in 2005 on the Upper Schuylkill in Whitemarsh Township, Pa. The Hines Rowing Center is home to 2 college and 7 high school rowing programs including Mount Saint Joseph Academy, and the Whitemarsh Boat Club.

Christina Young, Ph.D.

Industrial Engineer
Federal Aviation Administration



- ▶ **Dr. Christina Young** studies air traffic control concepts for the Federal Aviation Administration. She first became involved with FAA research projects as a graduate student at Rutgers, The State University of New Jersey. Under a fellowship grant between Rutgers and the FAA, she worked as a graduate research assistant while earning advanced degrees: M.S. in Statistics and Ph.D. in Industrial and Systems Engineering. Since completing her doctorate in 2010, she has worked at the William J. Hughes Technical Center, first as a contractor and now a federal employee. Christina is part of the Modeling & Simulation Branch under the NextGen Office and was recognized with the Rising Star Award in 2014 for significant contributions and demonstrating future potential. Her research interests include simulation, optimization, experimental design, and statistical data analysis.

Dina Zielinski

Associate Scientist III
New York Genome Center



- ▶ Dina Zielinski studied biology and French at New York University before joining the Erlich lab at the Whitehead Institute. There, she helped lead a team to discover the causal gene for Hemifacial microsomia in a large family and developed an iPad-based tool with fellow lab member Assaf Gordon to rapidly execute complex biological experiments. Now at the New York Genome Center, she is working toward a master's degree in bioinformatics.
- ▶ Dina is the recipient of a 2016-2017 AAUW Career Development Grant
http://www.aauw.org/aauw_check/fellowships_directory/#rid4142