

2017 Conference Speaker Bios

DISTRIBUTION

TOM WALSKI is senior product manager for water and wastewater products for Bentley Systems with 40 years of experience working with water systems. He has served as an executive director of the Wyoming Valley Sanitary Authority, engineering manager for Pennsylvania American Water, associate professor of environmental engineering at Wilkes University, an engineer with the Army Corps of Engineers and manager of distribution system operation for the City of Austin, Texas. He has authored several books and several hundred journal papers and conference presentations. He was named one of the 50 icons of the water industry over the past 50 years by Water and Wastes magazine. He has won numerous awards for his work such as the best distribution and plant operation paper in the Journal AWWA on three occasions. He co-holds seven patents for hydraulic analysis techniques. He is a registered professional engineer in two states.

JOHN D. BRADY, P.E., PROJECT ENGINEER John has over ten years of engineering experience involving a variety of potable water, wastewater, and environmental management projects. He received a BS in Environmental Engineering from Penn State, and has a Sewer Enforcement Officer (SEO) Certification. His current responsibilities at Entech include design and development of contract documents, technical reports, water system fire flow testing, collection of survey data, and construction observation for Entech's private and municipal clients. John supports projects through bidding, construction, completion, and submittal of permit applications and reports to the PA DEP, PennDOT, and various county conservation districts. John also serves as a Client Manager for multiple municipal and private clients. PA

LAUREN FAHNESTOCK is a senior project manager for Brown and Caldwell and is based in Philadelphia. He has over 17 years' experience in water distribution system analysis, planning and design.

DWIGHT D. HOARE, P.E. earned a Bachelor of Science Degree in Civil Engineering, 1990 from The Pennsylvania State University, specialization in potable water treatment and hydraulics. Dwight's Professional Certification includes: Professional Engineering (P.E.) License in April 1996 Water Treatment Operators Certificate (Class A) Wastewater Treatment Certificate. He is the manager at St. Marys Water Authority.

Previously Dwight managed the operation of a 5 MGD, conventional water treatment plant and distribution system and was responsible for planning, budgeting and capital improvements as well as implementation of a SCADA system into the treatment plant and remote pumping stations and tanks at Allegheny Mtn. Engineering, Inc. His experience also includes three years as President/owner of Allegheny Mtn. Engineering, Inc. Columbia Gas Transmission Corporation, where he performed engineering studies relating to planning for future market expansion; completed design of all in-line equipment necessary to deliver anticipated market demand. And, he conducted feasibility and economic evaluations; wrote technical specifications and codes for pipe line equipment, developed pipe line modeling techniques and procedures; and made recommendations regarding gas quality and processing.

DAVID LEWIS has been in the infrastructure mapping and GIS industry for more than 20 years leveraging his background in software development, photogrammetry, data conversion and GIS integration. He has managed conversion efforts for several statewide enterprise GIS initiatives and likewise numerous county and municipal programs focused on water and wastewater applications. Currently, Mr. Lewis is the Mid-Atlantic Account Manager for Wachs Water Services, formerly Wachs Utility Services. Having serviced customers in the water distribution field more many years, Dave brings a wealth of experience in areas such as valve and hydrant assessments, unidirectional flushing, flow test programs and the integration of GIS data. A particular expertise of Dave's is the ability to help utilities apply technology appropriately to improve customer satisfaction, increase efficiency and lower operating costs.

JAMES P. MEISENBACH is a GIS Analyst and Project Manager at RETTEW Associates with more than five years of experience. He is responsible for project planning, management, QA/QC, leading project teams, and managing RETTEW's GIS staff. He is experienced in creating various types of maps, working with Esri software, model building, LiDAR, elevation models, geometric networks, data organization, database management, ArcGIS online, and working with Esri web viewers and mobile applications. Mr. Meisenbach holds a Bachelor of Arts in Geography from Millersville University.

MICHAEL T. BROWN, P.E. is the leader of the Planning and Asset Management Group in the Water Business Line of Gannett Fleming in Harrisburg where he has worked for the past 20 years upon graduating from Lehigh University. His primary responsibilities involve leading and performing technical studies, planning studies, designs, and other engineering services for water and wastewater systems. He specializes in hydraulic and water quality modeling and analyses of water distribution and wastewater collection systems and asset/information management for water and wastewater systems. He is currently the past-chair of the PA Section of AWWA.

LISA S. DOUGLAS, PE. Lisa S. Douglas, P.E. is the Division Manager of Carylton Water Group, a Division of Mobile Dredging and Pumping, Inc. The company's division specializes in the condition assessment and asset management of pressure pipe for the water and wastewater industry. For more than 15 years she has specialized in pipeline condition assessment technologies and consulting and for the last 3 years, specifically for pressure pipe. Lisa is also busy chasing sport event schedules (hockey and taekwondo) for her 15-year old twins. She is a graduate of University of engineering graduate of Missouri University of Science and Technology- whichever you prefer with a civil engineering license in several states.

JOHN MARCISZEWSKI, Director of Business Development for Echologics, is focused on innovative practices for buried infrastructure, including: capital efficiency, system resiliency, and water loss management. He has 25 years of commercialization experience in high-tech, focusing on the water- energy nexus since 2005. He is also a founding Industrial Advisory Board member for the Sustainable Water Infrastructure Management Center. John has a Master of Engineering from the University of California Berkeley and Bachelors in Mechanical Engineering from Kettering University.

CHRISTINE GUNSAULLUS, Director of Business Development I Senior Project Manager. Christine brings a unique blend of book-smarts and field experience to Entech Engineering. Dual engineering degrees from Drexel University, coupled with 21 years of storage tank building, repairing, and coatings inspection and application experience at Fisher Tank, TIC and MBA earned her the moniker "Tankie", which is a compliment. She frequently presents at regional and national AWWA conferences, sharing tank tips and how to prevent coating catastrophes.

NICOLE CLARKE. As Manager of Tank Industry Consultants' East Region, Nicole Clarke serves as client liaison in the development and execution of tank rehabilitation and new tank construction projects throughout the eastern portion of the United States. She has been involved in the structural coatings industry for more than 13 years.

MANAGEMENT

LAUREN FAHNESTOCK is a senior project manager for Brown and Caldwell and is based in Philadelphia. He has over 17 years' experience in water distribution system analysis, planning and design.

DR. AHMAD HABIBIAN is the Technical Strategy Leader for Conveyance at CDM Smith. He has more than 30 years of Infrastructure Management, Pipeline Assessment and Rehabilitation, and Trenchless Technology experience. He has served in several leadership positions with ASCE and AWWA, and has been recognized for his services through the 2015 AWWA DPOD Peak Performance Award and the 2008 ASCE Pipeline Division Award of Excellence. He has published and presented more than 100 papers at ASCE, AWWA, WEF, NASTI and other professional organizations publications and conferences. PA Section of AWWA Annual Conference 2017

GEORGE KUNKEL Mr. Kunkel is Principal of Kunkel Water Efficiency Consulting, a firm that specializes in water loss control in drinking water utilities. He has over 36 years of water utility and consulting experience and led the successful water loss control program in Philadelphia for over 20 years. He is active in the American Water Works Association, having served in multiple roles, including chair of the Water Loss Control Committee. Mr. Kunkel is currently the chair of the sub-committee that publishes AWWA's M36 guidance manual on water loss control and is a co-author of the AWWA Free Water Audit Software. He has been involved in many water loss control projects in AWWA and the Water Research Foundation; and he was the recipient of the 2010 Water Star Award from the Alliance for Water Efficiency, and the AWWA Peak Performance Award in 2016.

MIKE O'LEARY, PECO Energy, Manager Energy Efficient Programs. Mike has 31 years' experience in the consulting engineering, energy services and public utility industries. Prior to joining PECO, Mike worked as a heating, ventilating and air conditioning (HVAC) designer and project manager for two major consulting engineering firms; and as an engineering supervisor in the energy performance contracting field. For the past 20 years, Mike has worked for PECO, where he has held the positions of Applications Engineer, Sr. Account Executive, Sr. Engineer and most recently Manager, Energy Efficient Programs.

In his current role, Mike is responsible for the management of PECO's non-residential Act 129 Phase III energy efficiency programs, which launched in June 2016. In addition, Mike is responsible for the management of PECO's compressed natural gas (CNG) vehicle initiative. Mike earned Bachelor's and Master's degrees in mechanical engineering from Manhattan College, Bronx, NY and an MBA from West Chester University (PA). Mike was named Energy Manager of the Year for 2014 by the Greater Philadelphia chapter of the Association of Energy Engineers (GPAEE). Mike also earned the Certified Energy Manager (CEM) designation through the Association of Energy Engineers (AEE).

GREG RICHARDS is a Hydraulic and Hydrologic Engineer at Gannett Fleming in Harrisburg, Pennsylvania. He obtained his B.S. and M.S. degrees in civil engineering from Utah State University where he worked as a graduate assistant for the Utah Water Research Laboratory. Currently, he is responsible for performing hydraulic and hydrologic (H&H) analyses and designing hydraulic structures including flood control reservoirs, water supply impoundments, spillways, outlet works, stilling basins, bridges, and stream channel improvements. His technical specialties include performing H&H analyses for dams, conducting dam assessments, completing FEMA floodplain analyses and map revisions, performing dam failure inundation analyses and mapping, designing labyrinth spillways, and estimating reservoir safe yield.

WATER QUALITY/TREATMENT

DR. JEANNE M. VANBRIESEN is the Duquesne Light Company Professor of Civil and Environmental Engineering at Carnegie Mellon University and the Director of the Center for Water Quality in Urban Environmental Systems (Water QUEST) at Carnegie Mellon University. Dr. VanBriesen holds a B.S. in Education and a M.S. and Ph.D. in Civil Engineering from Northwestern University. She is a licensed professional engineer in the state of Delaware. Dr. VanBriesen has published more than fifty scientific articles and given more than 125 professional presentations. Dr. VanBriesen is currently serving on the U.S. EPA Science Advisory Board.

DR. JOSEPH GOODWILL came to Saint Francis University from Worcester Polytechnic Institute, where he was a Visiting Professor. He received a Ph.D. in civil engineering from the University of Massachusetts Amherst in 2015, a M.S. in environmental engineering from University of Massachusetts Amherst, and a B.S. in civil engineering from Lafayette College. Dr. Goodwill's research focuses on fundamental physical and chemical treatment processes as applied to water treatment. Current research efforts include the development and assessment of advanced oxidation technologies for drinking water treatment, and increasing the resilience of smaller water systems. Prior to pursuing a Ph.D., Dr. Goodwill was a practicing environmental engineer with Black & Veatch in their Philadelphia office. His work at Black & Veatch included the design, construction and optimization of municipal water treatment facilities. He is a licensed professional engineer (PE) and also a Leadership in Energy and Environmental Design Accredited Professional (LEED-AP).

JARED HUTCHINS, PE, ENV SP Jared is an Engineering Manager with Black & Veatch in the Cincinnati, OH office. He received his BS degree in Civil Engineering from Old Dominion University. He is a registered PE in Ohio. He has 10 years' experience involving water and wastewater facilities design.

APRIL WINKLEMAN April has been the manager of the Manor Township Joint Municipal Authority in Armstrong County, PA for the past 19 years. Prior to working in the municipal arena, April worked as a Financial Service Manager for Federated Investors, Pittsburgh. Her mentor in the municipal sector encouraged her curious nature and instilled the knowledge and drive to become a licensed water and wastewater collection operator. As a team, they provide

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cost savings and efficiencies to the community with a very limited budget, while accomplishing many various water system capital improvements, from plant pumping, clearwell linings, and softeners, to new piping and concrete tank. April was instrumental in the approval of the Wellhead Protection Program by PA DEP and US EPA. In 2003, April was named Pennsylvania Rural Water Association's Woman of the Year. She is a graduate of Grove City College.

MARIA TORTORELLI is an engineer at Mott MacDonald, graduating from Drexel University with a degree in Environmental Engineering in June 2015. She continues to gain knowledge and experience in a variety of water treatment, supply, and distribution projects as well as wastewater engineering projects since joining Mott MacDonald in 2015. Her responsibilities at Mott MacDonald include supporting planning, permitting, and design phases of water, wastewater, and green stormwater infrastructure projects.

KYLE ROBERTS is a Production Engineer at Aqua America working in the Treatment Department. Kyle graduated from Juniata College with a bachelor's degree in biology. He continued his education at West Chester University where he earned a master of public health degree with a concentration in environmental health. Kyle has been working for Aqua Pennsylvania for two years where his responsibilities are to assist in overseeing water treatment in plants and wells so that all facilities meet process targets and are optimized with regard to chemical dosages and water quality, researching and piloting new treatment and analytical technologies, and to help ensure compliance with DEP regulatory requirements.

HOWARD BUTLER Howard has a Bachelor of Science in Environmental Engineering from The Pennsylvania State University and a Master of Science in Environmental Pollution Control from The Pennsylvania State University. Howard joined GHD in 2006 as a staff environmental engineer. He previously gained experience in water and wastewater treatment while working towards his undergraduate and master's degrees. His research, focused on the land application of biosolids, lent insight into the wastewater treatment process and the regulatory aspects governing municipal works. Since joining CET, Mr. Butler has been involved in a wide range of projects. He has gained experience in the various aspects of projects including planning, design, permitting, funding, bidding, and construction. Mr. Butler's work has included Act 537 sewage facility plans, nutrient removal evaluation studies, water and wastewater mechanical process design, water storage and distribution systems planning, construction administration for numerous projects, and treatment plant studies for compliance with the Chesapeake Bay Tributary Strategy. December 14, 2015

MARK ROMERS Founder and President (since 1980) of Industrial Control Systems, Inc., a national municipal systems integrator (www.ics-scada.com) American Water's first independent integrator in 1988. Over the last 36 years, ICS has successfully integrated over \$100,000,000 in automation solutions for water plants, wastewater plants, distribution systems and collection systems. From design to implementation, ICS has helped clients all over the country achieve their automation goals and objectives. Manufacturer of Filter Magic pre-packaged filter control systems that utilize unique technologies which are universal, simple, reliable, and cost-effective solutions for surface water plants and wastewater tertiary systems. (www.filtermagic.com). Innovator of filter optimization technologies that substantially reduce excess wastewater during a backwash as well as excess filter-to-waste water thereby increasing filter systems productivity while substantially reducing typical water plant wastewater treatment systems.

JAMIE SHAMBAUGH has been with Gannett Fleming for 18 years and as Manager of the Water Process and Operations Group is responsible for a wide-range of water treatment process and operations projects. He has earned a B.S. in Environmental Engineering from Wilkes University and a M.E. in Environmental Engineering from the Pennsylvania State University, is registered professional engineer in Pennsylvania, Maryland, and Florida, and holds a Pennsylvania Class A Water Operator license.

JEFF NAUMICK is a Principal Engineer at Hazen and Sawyer, and works in the Philadelphia office on a number of water and wastewater design projects. Jeff Received his BS from Penn State and his MS from Villanova University. Jeff is a licensed professional engineer in the state of Pennsylvania.

JOHN CIVARDI Mr. Civardi received his Bachelor of Engineering degree from the Stevens Institute of Technology in 1986, and his Master of Engineering degree from Stevens Institute of Technology in 1988. He has over 30 years of

experience in the evaluation and design of drinking water treatment systems. He is a co-author of AWWA's 2nd Edition of the Iron and Manganese Handbook.

CHRISTOPHER A. WALKER, P.E. Mr. Christopher A. Walker is a registered professional engineer with 14 years of work experience specializing in the water industry. His expertise includes the design of surface water and groundwater treatment facilities, water distribution systems, water storage facilities, water system booster stations, and investigation/exploration/interpretation of hydrogeological data for groundwater well yields. Mr. Walker has been involved in the design of more than 30 water treatment facilities utilizing such processes as manganese greensand pressure filters, granular activated carbon units, membrane filtration, arsenic removal systems, diffused aeration, conventional coagulation / flocculation / settling / filtration systems, as well as centrifuge and sand drying bed residuals management systems. While in graduate school Mr. Walker's research evaluated, developed, and modeled control technologies capable of optimizing chemical dosing in coagulation/flocculation processes as well as dewatering applications. Mr. Walker's research group at the University of Delaware under the guidance of Dr. Steven Dentel was renowned for their work in coagulation/flocculation control technologies. Mr. Walker's work has been published by the Journal of Colloid Interface Science, American Water Works Research Foundation, Advances in Environmental Research, and the Chemical Engineering Journal.

ARTHUR SAUNDERS, P.E. Art is the Manager of Engineering for Suez Water Pennsylvania. He has a Bachelor's of Engineering and Masters of Engineering in Environmental Engineering from The Pennsylvania State University. Art has over 20-year experience in water distribution and treatment design and engineering. He is a licensed Professional Engineer in Pennsylvania and is a licensed Pennsylvania Class A, E, Water Treatment Plant Operator.

JONATHAN MORRIS, P.E. Jon serves as the office manager of GHD's Bloomsburg, PA office. He has a Bachelor's of Science degree in Chemical Engineering from Lehigh University and a Master's of Engineering degree in Environmental Engineering from Pennsylvania State University. Jon has extensive experience in water and wastewater systems engineering and is a licensed Professional Engineer in Pennsylvania and Virginia. He has served as the Project Manager for over 50 water distribution and treatment projects including feasibility studies, watermain extensions and replacements, water storage tank rehabilitation projects, and various facility projects, including groundwater well treatment stations, water treatment plants, and booster stations.

LORI BURKERT, P.G., Project Manager. Lori is a professional geologist with over 15 years of experience with water supply, source water protection, hydrogeology, and water quality. She is a Project Manager for Entech Engineering, and has a Bachelor's of Science degree from Elizabethtown College, and a Master's of Science degree from Lehigh University. She is currently the President of the PA chapter of the American Water Resources Association (PA AWWA), and very involved in the Berks County Water and Sewer Association.

CHRISTINA CRAWFORD, PE, MBA SPOTTS, STEVENS AND MCCOY. Municipal Representative, Water and Wastewater Engineer. Ms. Crawford has over 16 years' experience in environmental engineering. Her responsibilities include client management, client retention, water and wastewater design specifications, cost opinions, municipal rate evaluations and review of developer plans. Ms. Crawford also assists clients with identifying sources for project funding utilizing PennVest and other loan/grant programs, and provides assistance to clients during construction for the disbursement of funds and for project close-out. Ms. Crawford has a Master's Business Administration from Villanova University and BS Environmental Engineering from Old Dominion University. She is a member of the Water Environment Federation, Pennsylvania Water Environment Association (PWEA) and the Young Professionals Chair and Board member for Eastern Pennsylvania Water Pollution Control Operators Association (EPWP/COA).

DON MOORE, Evoqua Water Technologies, Director of Sales, Memcor Products. Don has over 23 years' experience with water and wastewater membrane systems. He manages the sales and business development process for capital equipment in the US and Canada for the Evoqua Memcor® Membrane Product line. Mr. Moore has a Master's in Business Administration from Loyola University, MD and a BS in Mechanical Engineering from Virginia Tech. He is a

member of the American Membrane Technology Association (AMTA).

PHYLLIS BUTLER POSY Vice President for Strategic and Regulatory Affairs, Atlantium Technologies Ltd. Phyllis Butler Posy has been designing, validating and implementing user-friendly systems for several decades. In her current position, she works with strategic clients to update their UV standards and educates state governments and regulators on innovations in sustainable UV technology that enable true water safety. She has pioneered applications through scientific research including the prize-winning study that demonstrated and validated 4-log adenovirus disinfection with medium pressure UV. Phyllis serves on the AWWA Disinfection Committee and the AWWA UV Standards Committee. She actively participates in the International Ultraviolet Association where she has served on the Board of Directors since 2006, is on the technical committee and the education committee. Phyllis holds a B.A. in pre-med from Stern College for Women and an M.Sc. in Journalism from Northwestern University.

FRANK GETCHELL is a Principal Hydrogeologist with LBG with over 30 years of consulting experience throughout the Eastern United States involving groundwater supply development and management; the design, performance evaluation, and rehabilitation of vertical and unconventional wells in unconsolidated and bedrock aquifers; evaluation of managed aquifer recharge options including ASR; and evaluation of land-use impacts on water resources and quality.

KAREN BENSON is an Associate/Hydrogeologist with LBG with over 20 years of experience implementing and managing groundwater supply and environmental groundwater/soil contamination projects in New York and New Jersey. She typically formulates and manages hydrogeologic investigations associated with groundwater supply development and permitting, along with the design and oversight of well rehabilitation programs. Karen is regularly involved in providing interpretation and recommendations to water utilities responding to groundwater contamination and Safe Drinking Water Act (SDWA) compliance.

