

Organized by the Rotary District 5450 WASH Committee
Hosted by the Rotary Club of Evergreen, Colorado

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VIRTUAL WASH SYMPOSIUM

WASH IS THE BLUE THREAD
THAT RUNS THROUGH ROTARY'S
AREAS OF FOCUS AND
DEVELOPMENT



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Rotary
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SERVICE above self.

Rotary is a global network of 1.2 million neighbors, friends, leaders, and problem-solvers who see a world where people unite and take action to create lasting change – across the globe, in our communities, and in ourselves.

Rotary brings together leaders from all continents, cultures, and occupations to exchange ideas and take action for communities around the world.

We provide service to others, promote integrity, and advance world understanding, goodwill, and peace through our fellowship of business, professional, and community leaders.

Solving real problems takes real commitment and vision. For more than 110 years, Rotary's people of action have used their passion, energy, and intelligence to take action on sustainable projects. From literacy and peace to water and health, we are always working to better our world, and we stay committed to the end.

Learn more about Rotary's structure and foundation and strategic vision.

AREAS OF FOCUS

Rotary is dedicated to seven areas of focus to build international relationships, improve lives, and create a better world to support our peace efforts and end polio forever.



Promoting peace.

Rotary encourages conversations to foster understanding within and across cultures. We train adults and young leaders to prevent and mediate conflict and help refugees who have fled dangerous areas.



Fighting disease.

We educate and equip communities to stop the spread of life-threatening diseases like polio, HIV/AIDS, and malaria. We improve and expand access to low-cost and free health care in developing areas.



Supporting education.

We strengthen the capacity of communities to support basic education and literacy, reduce gender disparity in education, and increase adult literacy.



Growing local economies.

We carry out service projects that enhance economic and community development and create opportunities for decent and productive work for young and old. We also strengthen local entrepreneurs and community leaders, particularly women, in impoverished communities.



Saving mothers and children.

Nearly 6 million children under the age of five die each year because of malnutrition, poor health care, and inadequate sanitation. We expand access to quality care, so mothers and their children can live and grow stronger.



Supporting the environment.

We utilize our collective resources to invest in a smart and efficient way to protecting our environment. Projects look at mitigating environmental issues that disrupt communities and destroy people's livelihoods.



Providing clean water, sanitation, and hygiene.

We support local solutions to bring clean water, sanitation, and hygiene to more people every day. We don't just build wells and walk away. We share our expertise with community leaders and educators to make sure our projects succeed long-term.



SPEAKERS

PLENARIES



John Hewko
Rotary International
General Secretary/CEO



Carrie Hessler-Radelet
Global Communities, President
PCI, a Global Communities Partner,
President & CEO



Stephanie Ogden
CARE International
Water Team Director

BREAKOUTS



Kate Harawa
Director of Innovation
for East Africa
Water For People - Malawi



Nancy Gilbert
Executive Director
Transform International



Braimah Apambire
Director, Center for International
Water & Sustainability
Desert Research Institute



Kevin Andrezejewski
Program Manager
Engineers Without Borders USA



Carolyn Johnson
Chair
Rotary International
Literacy Action Group



Michael Paddock
Engineers Without Borders
WASH Consultant



Max Perel-Slater
Tanzanian Executive Director
Maji-Safi Group



Randall Butler
Rotary District 5450
Peace & Conflict Committee



Al Jubitz
Founder and President
Rotary International
Peace Action Group



Christina Chanes
Extension Agent
University of Virgin Islands



Joshua Knight
Program Engineer
Global Hope Network
International



Eddy Perez
Technical Director of WASH
Global Communities



John Dracup
Retired Professor of Engineering
University of California-Berkeley



Greg Lestikow
Director of WASH
International Development
Enterprises



Heidi Rickels
Founder and Executive Director
Freshwater Project International



Bert Garcia
Deputy Division Director
Water Division
Environmental Protection Agency



Michael MacCarthy
Professor of Engineering
Mercer University



Peter Van Arsdale
Retired Professor
Korbel School of International Studies
University of Denver



Erica Gwynn
Program Manager for WASH
The Rotary Foundation



Claire Wang
Program Manager
Center for International Water
and Sustainability
Desert Research Institute



Patty Hall
Founder and President
H2O for Life



Garrett Mason
Senior Innovation Officer
PACT



George McGraw
Founder and Executive Director
DIGDEEP



Tim Wellman
Program Development Director
WEFTA



Heather Arney
Insights & Innovation
Senior Manager
Water.org



Fatima Mahmoud
Program Assistant/Teaching Assistant
Water Resources
Graduate Programs
Oregon State University

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KEYNOTE SPEAKERS



John Hewko

Rotary International
General Secretary/CEO

John Hewko is the general secretary and CEO of Rotary International, one of the world's largest service and humanitarian organizations with 36,000 clubs and 1.2 million members throughout the world, and of its foundation, The Rotary Foundation. He oversees the operations of both entities and manages a combined operating budget of over \$450 million and assets of more than \$1 billion. Hewko also manages Rotary's relationship with strategic partners and governments and leads a staff of almost 800 at Rotary's world headquarters in Evanston, Illinois and in 7 offices outside the United States.

From 2004 to 2009, he was vice president for operations and compact development for the Millennium Challenge Corporation (MCC), a U.S. government agency established in 2004 to deliver foreign assistance to the world's poorest countries. At MCC, he was the principal United States negotiator for foreign assistance agreements to 26 countries in Africa, Asia, South America, the Middle East and the former Soviet Union. During his tenure, he completed the negotiation of assistance agreements totaling \$6.3 billion to 18 countries for infrastructure, agriculture, water and sanitation, health and education projects.

Prior to joining MCC, Hewko was an international partner with the law firm Baker & McKenzie, specializing in international corporate transactions in emerging markets. He helped establish the firm's Moscow office and was the managing partner of its offices in Kyiv and Prague. He has also lived and worked as an attorney in Brazil and Argentina. While in Ukraine in the early 1990s, Hewko assisted the working group that prepared the initial draft of the new Ukrainian post-Soviet constitution.

Hewko has been a public policy scholar at the Woodrow Wilson International Center for Scholars, an adjunct professor of law at Georgetown University and a visiting scholar at the Carnegie Endowment for International Peace. He has published papers and articles in leading U.S. and international publications and has spoken extensively on political and business issues dealing with the former Soviet Union, Central Europe, Africa and Latin America.

Hewko holds a law degree from Harvard University, a master's in modern history from Oxford University (where he studied as a Marshall Scholar) and a bachelor's in government and Soviet studies from Hamilton College in Clinton, New York. He speaks four languages besides English: Portuguese, Russian, Spanish and Ukrainian. He is a member emeritus of the board of trustees of the Ukrainian Catholic University in Lviv, Ukraine and a trustee of Western Reserve Academy in Hudson, Ohio. He is also a member of the Council on Foreign Relations and sits on the Planning Commission for the city of Evanston, Illinois.

KEYNOTE SPEAKERS



Carrie Hessler-Radelet

Global Communities, President
PCI, a Global Communities Partner, President & CEO

Carrie Hessler-Radelet is the President & CEO of Project Concern International (PCI), a Global Communities Partner. PCI is a global development organization that drives innovation from the ground up to enhance health, end hunger, overcome hardship and advance women & girls—resulting in meaningful and measurable change in people's lives.

She also serves as President of Global Communities, a global development and humanitarian assistance organization committed to working in partnership with communities worldwide to bring about sustainable, impactful changes that improve the lives and livelihoods of the vulnerable. Working in 27 countries in Africa, the Middle East, Central and South America, Asia and Europe, Global Communities' expertise includes innovation in rural sanitation, market-based workforce education, and strengthening civil society.

Prior to PCI, Hessler-Radelet served as Director of the Peace Corps (2012-2017) and Deputy Director (2012-2015), leading America's iconic international volunteer service organization with programs in over 65 countries. At Peace Corps she led historic reforms to modernize and strengthen the agency to meet the challenges and opportunities of the 21st century.

Before her appointment, Hessler-Radelet worked as the Vice President and Director of the Washington D.C. office of John Snow, Inc. (JSI), overseeing the management of public health programs in 85 countries around the world. Her decades of global health work also included serving as the lead consultant on the first Five-Year Global HIV/AIDS Strategy for the President George W. Bush's Emergency Plan for AIDS Relief (PEPFAR), working with USAID in Indonesia on maternal and child health and HIV programming, founding the Special Olympics in The Gambia, and serving as a Peace Corps Volunteer with her husband in Western Samoa.

Hessler-Radelet is passionate about empowering communities to discover their own sustainable, innovative solutions to poverty. She holds a Master of Science in Health Policy and Management from Harvard University and a Bachelor of Arts in Political Science and Economics from Boston University (BU), Boston, Massachusetts.

Stephanie Ogden

CARE International
Water Team Director



Stephanie has worked in water and sanitation and integrated water resources management for 18 years, since serving as a Peace Corps Volunteer in rural water and sanitation in El Salvador. As the Director of CARE's Water Team, Stephanie leads CARE's water and development work, which focuses on systems strengthening and institutional development to ensure sustainable and equitable water and sanitation services for all. CARE's global water portfolio encompasses programs in sustainable WASH services and sustained behavior change, water for multiple and productive uses, water security and resilience, and water in emergency and conflict settings. Stephanie has a master's degree in International Environmental Policy, and a focus on Water Conflict Management and Transformation. She has lived and worked in Latin America, East Africa, and Central Asia. Prior to assuming the role of Water Team Director, Stephanie was the Senior Water Policy Advisor with CARE's Water Team.

PANEL SPEAKERS

Breakout Session 1

Track 1: Economic Financing Development



Michael MacCarthy

Associate Professor of Engineering
Mercer University

Mike MacCarthy is an Associate Professor in the Department of Environmental & Civil Engineering at Mercer University as well as the Director of the Cecil Day Family Center for International Groundwater Innovation, Program Director for Engineering for Development and Peace Corps Prep program advisor. He's an Associate Editor & Member of the Editorial Board for the Hydrogeology Journal (International Association of Hydrogeologists).

Mike has 20+ years of experience in engineering, international development, and project management, including a decade living and working in less-developed countries (as a Peace Corps Volunteer in Cameroon, an infrastructure and community development engineer in the Democratic Republic of Congo, Mali, & Mauritania, and an engineering for development researcher in Madagascar, Bolivia, South Africa, Mozambique, & the Dominican Republic).

Mike leads the Engineering for Development [E4D] program at Mercer, which focuses on sustainable solutions for people and the planet, both internationally and domestically, through education, service, and applied research. Over the past few years, the program has been a leader in national undergraduate research recognition, including with four E4D researchers being awarded the Goldwater Scholarship (the most prestigious U.S. undergraduate scholarship in science, math, and engineering).

He is the recipient of the Outstanding New Faculty Research Award, presented by The American Society for Engineering Education (ASEE) Southeast Section, 2019. Recipient of the Innovations in Teaching Award, presented by Vulcan Materials Company, Georgia Independent College Association, and Mercer University, 2018.



Greg Lestikow

Director of WASH
International Development Enterprises

As Global WASH Director, Greg drives technical strategy and innovation for iDE's six-country WASH portfolio. Greg brings over 10 years' experience in diverse positions in the public and development sectors. In his early career, Greg worked extensively in Latin America, where he led business development efforts and helped smallholder farmers diversify their sources of income.

Since joining the Global WASH team three years ago, Greg has been thrilled to apply lessons learned in Latin America to iDE's programs in Asia and Africa. He is especially excited to work with iDE's in-country superstars to diagnose market failures and generate workable solutions to address them.

Greg holds a BA from Colorado College and an MA in International Economics from University of California, San Diego. He still marvels at the good fortune he enjoys to work with an innovative and impactful organization while enjoying all of the fun things his native Colorado has to offer.

PANEL SPEAKERS

Breakout Session 1

Track 2: Education & Literacy



Carolyn Johnson

Chair, Literacy Rotarian Action Group (LITRAG)

Carolyn is a member of the Rotary Club of Yarmouth and served as District Governor of clubs in western Maine and coastal New Hampshire. She is active as a facilitator with Rotary International, working with local clubs and districts. She is a frequent motivational speaker at regional and international events. Carolyn is vice-chair of the Literacy Rotary Action Group and an advisor to the Rotary Foundation's Water, Sanitation & Hygiene In Schools programs, she serves as a consultant and project reviewer for major Rotary Foundation education & literacy grants.

Carolyn Johnson has more than 30 years experience as a teacher, administrator, and consultant. She was selected as a Maine Distinguished Educator and worked with schools to develop student assistance teams and anti-bullying programs. She is the founder, developer, and past director of The Culture of Reading Program (CORP), which provides professional development and resources in literacy education for schools in rural Guatemala. Starting in 2007 with one school, CORP now serves 70+ primary schools, nearly 600 teachers and more than 15,000 students. Carolyn is Vice-Chair of the board of Safe Passage, an NGO that provides education programs for children and families living in the neighborhood of the Guatemala City Dump. Both GLP and Safe Passage are organizations that partner with Rotary in Guatemala and across North America. Carolyn and her husband, PDG Peter Johnson, live in Yarmouth, Maine, USA.



Patty Hall

Founder
H2O for Life

Patty is a former educator who practiced service-learning in her classroom for over 30 years. After funding a community water project in 2007, she became passionate about the need for clean water, sanitation and hygiene education. (WASH) H2O for Life focuses on school WASH programs.

H2O for Life provides a service-learning program that engages, educates and inspires youth to take action to solve the global water crisis by raising awareness and funds to support implementation of WASH for global partner schools.

Over 1 million US youth have participated through H2O for Life, supporting over 1000 WASH projects. More than 450,000 students now have access to WASH through the support of YOUTH!

Patty has been featured in Reader's Digest, the Today Show, Good Morning America, CNN Inspiring Women, and has spoken to thousands of teachers and groups across the nation. H2O for Life has partnered with Rotary on Global Grants that have provided WASH to 60 schools. We invite your club to learn more!

Patty and her husband have 3 children and live in White Bear Lake, MN. Her 6 grandchildren and one great-grandchild keep her busy! Fun fact- Last February Patty climbed Mt. Kilimanjaro through a Charity Climb for H2O for Life.

PANEL SPEAKERS

Breakout Session 1

Track 3: Environment



George McGraw

Founder and Executive Director
DIGDEEP

George McGraw is a human rights advocate specializing in the human right to water and sanitation in the United States. George currently serves as founder and CEO of digdeep.org, the only WASH (water, sanitation and hygiene) organization serving disadvantaged communities in the United States. Founded in Los Angeles in 2011, DigDeep develops education, research and infrastructure programs aimed at extending access to clean, hot-and-cold running water to every American.

Under George's leadership, DigDeep won the 2018 US Water Prize for its Navajo Water Project, which has brought clean, running water to hundreds of Native families across New Mexico, Arizona, and Utah. In 2019, George led an effort with Michigan State University and the US Water Alliance to publish *Closing the Water Access Gap* in the United States, the first national study to outline why some 2.2+ million Americans still live without access to running water or basic sanitation.

George has written for The New York Times, The Los Angeles Times, SSIR and The Nation, and spoken at events hosted by the Clinton Foundation, the Atlantic, and Ford. George is an Ashoka Fellow and former Social Entrepreneur in Residence at Stanford University. George holds an M.A. in International Law and Conflict Management from the United Nations University for Peace.



Bert Garcia

Deputy Division Director
Water Division
Environmental Protection Agency

Bert joined EPA in 1990. He is Deputy Division Director of the Water Division for EPA's Region 8 office in Denver. Bert served in several other positions in Region 8 including acting Deputy for the Office of Partnerships and Regulatory Assistance and Acting Water Program Director. Bert also worked as the Director of the Ecosystems Protection Program for eight years where he was responsible for programs that partner with states and tribes to protect and restore the Region's waters. Bert's early career at EPA was in the CERCLA Program as Director, Unit Chief and Project Manager, where he focused on the cleanup of historic mining waste.

Before joining EPA Bert was a loan officer at a large commercial bank in Dallas. Bert has a Bachelor of Science degree in Nuclear Engineering and a Master's in Business Administration, both from Texas A&M University. He and his wife have three children. Bert enjoys fly fishing and backpacking.

PANEL SPEAKERS

Breakout Session 1

Track 4: Peace & Conflict Resolution



Randy Butler

Rotary District 5450
Peace & Conflict Committee

Randy Butler has dedicated his life's work to the belief that persons of different cultures, ethnicities, religions, and political beliefs can build bridges of understanding and work together for the common good of their communities. Formerly a trial lawyer and partner in the law firms: Fulbright & Jaworski, L.L.P., and Cook, Butler & Doyle, LLP, he has mediated over 1000 complex legal disputes. His passion for conflict transformation took him to Croatia, where he co-led the ROM Leadership Development & Peace Gathering, and then worked with over 700 young leaders from all of the region's ethnic groups.

Formerly, as CEO of The Institute for Sustainable Peace, he designed and led 15 Transformational Leadership Workshops for activists and leaders in the Sudanese/South Sudanese Diaspora and in Sudan, Darfur, and South Sudan. With local partners, he designed multiple healing & reconciliation dialogues for members of the South Sudanese diaspora. He has also designed and facilitated numerous civic engagement and interfaith dialogue projects with partners including the American Leadership Forum, the Mayor's Office of the City of Houston, the Houston Health Department, Rice University's Kinder Institute for Urban Research, Interfaith Ministries for Greater Houston, and the Shell Scenario Planning Group. Randy has designed and facilitated workshops to provide dialogue skills to participants to bridge the deep divides in America. He recently joined the Rotarian Action Group for Peace and serves as the chair of the Boulder Rotary Club Peace Building Committee and a member of the Rotary D5450 Peace Committee.

Al Jubitz

Founder and President
Rotary International Peace Action Group

Al has dedicated his life to fostering peace—through his efforts in Rotary and as President of the Jubitz Family Foundation. His interests in finding alternatives to war and violence led him to create the War Prevention Initiative at the Jubitz Family Foundation and co-found the Rotary Action Group for Peace. A graduate of Yale University and the University of Oregon School of Business, Al enjoyed a long career at the Jubitz Corporation. He is Past President and remains active in the Rotary Club of Portland and has served on numerous boards relating to the environment, children's welfare and peace. He is a Senior Fellow of the American Leadership Forum of Oregon and continues to serve on the National Advisory Board of Environmental Defense Fund and on the Leadership Council at the Yale School of Forestry and Environmental Studies. Al and Nancy, his wife of over 50 years, have three grown daughters and five grandchildren. In "retirement," he enjoys hiking, playing squash and golf.

Fatima Taha

Program Assistant & Teaching Assistant | Water Resources Graduate Programs
Oregon State University



Fatima Taha, a graduate student in a dual-degree program combining a Ph.D. in Geography with an MBA in Innovation Management at Oregon State University. Taha is a civil engineer by training and had been trained on international water negotiations at the University of Dundee in Scotland. As a distinguished alumna, Taha helps manage the joint educational program in Water Cooperation and Diplomacy between Oregon State University, IHE Delft Institute for Water Education in the Netherlands, and the University for Peace in Costa Rica.

PANEL SPEAKERS

Breakout Session 2

Track 1: Disease Prevention & Treatment



Braimah Apambire

Director, Center for International Water & Sustainability
Desert Research Institute

Dr. Apambire is Senior Assistant to the President for Global Sustainability and Director of the Center for International Water and Sustainability at the Desert Research Institute. Dr. Apambire is an expert in international Water, Sanitation & Hygiene (WASH) and development matters with extensive field, academic, teaching, grant making and management experience. He has a deep understanding of the importance of integrating WASH programming into other development sectors such as health, agriculture, education, environment, gender and micro-finance, as well as the importance of strong partnerships to ensure long-term sustainability. Prior to returning to DRI, Dr. Apambire served as a Senior Advisor at the Conrad N. Hilton Foundation, where he managed the Foundation's WASH grant portfolio and represented the Foundation to the broader WASH sector. He was also previously the Director of the WASH Sector at World Vision US where he led the design, implementation, monitoring and evaluation of global WASH strategies and large-scale integrated sustainable programs. Early in his career, Dr. Apambire worked with the World Vision Ghana Ghana Rural Water Project as a hydrogeologist where he was involved in the siting, design and construction of over 500 water supply systems in about 400 remote and guinea endemic communities and institutions in Ghana. Dr. Apambire was born in Ghana, West Africa, and grew up in the northern and poorest region of the country. As a child, he sometimes walked long distances to fetch water during the dry season. He has researched and published numerous papers, articles and reports on WASH issues in developing countries, and on water quality and human health. Dr. Apambire received his B.S. from the University of Ghana; M.S. from Carleton University, Canada; and his Ph.D. from the University of Nevada, Reno.



Claire Wang

Program Manager
Center for International Water and Sustainability
Desert Research Institute

Claire Wang is currently the Manager of International Water, Sanitation, and Hygiene (WASH) Sustainability Programs at the Center for International Water and Sustainability (CIWAS) at the Desert Research Institute (DRI) in Nevada. She holds a Master's in Public Health (MPH) and a Bachelor's in Civil and Environmental Engineering both from Columbia University. Her involvement in WASH began as a volunteer with Engineers Without Borders, leading the design and construction of water projects in Ghana and Kenya. Through her MPH, she has studied, evaluated and conducted research on WASH topics in Latin America, Africa, and the United States. Professionally, she has worked in the engineering and construction industries in New York City, and as a construction logistician in Ethiopia for Médecins Sans Frontières (Doctors Without Borders). Ms. Wang is a native English and Japanese speaker, and proficient in Spanish.

PANEL SPEAKERS

Breakout Session 2

Track 2: Education & Literacy



Erica Gwynn

Program Manager for WASH
The Rotary Foundation

Erica Gwynn is the Area of Focus Manager for Water and Sanitation at the Rotary Foundation and Program Manager for the Rotary International-USAID Partnership in Ghana and Uganda. She provides technical support to Rotary-led WASH initiatives, leads strategic planning for future WASH programming, and facilitates key partnerships with the aim to build WASH capacity throughout the organization and to enhance service projects in the field. She has a B.S. in Biology and a Masters in Aquatic Toxicology and Environmental Health from the University of Michigan, Ann Arbor. With 10+ years of experience in water resource management, water quality and public health, she leads Rotary's programming for the WASH in Schools Target Challenge in Honduras, Guatemala, Belize, India and Kenya.



Nancy Gilbert

Executive Director
Transform International

Nancy Gilbert, a lawyer by profession, is vice-president of Calliope Consulting Inc. and works as a WASH consultant. Currently Nancy is the Executive Director of a new NGO, Transform International (TRANSFORM), a network of independent in-country Community Transformation Centres across the developing world building local capacity, sharing knowledge, fostering collaboration, and addressing issues of sustainability in water, sanitation and hygiene, and other development interventions. Having joined Rotary in 1994, Nancy served as Club President (1999), GST Team Leader (2002), and District Governor of Rotary District 7810 (2003-2004). She was the inaugural Rotary Coordinator for Zone 24 east in 2008, and has served in various roles at the district and zone level, and served on the board and as a volunteer for WASRAG. Currently, Nancy is a member of the Rotary WASH E-Club made up of Rotarians from around the world with a strong passion for WASH. Nancy and her husband Paul live in Victoria, British Columbia, and have a blended family of seven children and nine delightful grandchildren.

PANEL SPEAKERS

Breakout Session 2

Track 3: Economic Financing Development



Eddy Perez

Technical Director of WASH
Global Communities

Eddy Perez is the Technical Director for WASH & Health for Global Communities where he provides oversight and technical guidance to Global Communities Water Security, WASH and Global Health field programs in Sub-Saharan Africa, Latin America and the Caribbean and the Middle East. Prior to coming to Global Communities, Eddy was the Chief of Party for a USAID funded applied research grant to learn if a systems change approach can lead to sustainable WASH services, Professor of Practice in Global WASH at the Center for Global Safe Water, Sanitation and Hygiene at the School of Public Health at Emory University and, from 2004 through 2014, he was the Lead Sanitation Specialist for the World Bank and global team leader for the Water and Sanitation Program (WSP) global program on learning, technical assistance and capacity building for scaling up rural sanitation and a parallel program on scaling up handwashing behavior change. Eddy also worked for 13 years as the Technical Director for the USAID funded WASH Project and its successor the Environmental Health Project (EHP) that provided short term technical assistance and analytical work to USAID Washington DC as well as USAID Missions in developing countries globally. Prior to this, Eddy was the Honduras Country Director for the Cooperative Housing Foundation (now Global Communities) leading a USAID funded program that worked with local partners to provide household and small business credit to support housing upgrades in urban informal communities.



Garrett Mason

Senior Innovation Officer
PACT

Garrett is an educator, designer, and optimist. His work over the past 13 years has been focused on community engagement, human-centered design, teaching, and adult training. He has taught at the primary and secondary school levels and initiated innovation and experiential learning programs for schools throughout the U.S. Garrett currently serves as the Human-Centered Design Specialist at Pact, in addition to designing and facilitating asset-based community development training programs for international development organizations in Guatemala, Malawi, Morocco, Senegal, and Tanzania. He served as a Peace Corps Volunteer in Liberia and earned his bachelor's degree in Physics from Colgate University. Garrett believes passionately in empowering people and organizations with the tools they need for creating change within their own communities.

PANEL SPEAKERS

Breakout Session 2

Track 4: Maternal & Child Health



Peter Van Arsdale

Retired Professor of Engineering
University of California-Berkeley

Peter Van Arsdale, Ph.D., recently retired from the Josef Korbel School of International Studies at the University of Denver. He continues to work on Rotary and other projects involving WASH, human rights, humanitarian assistance, and community development. East Africa is a special focus. Dr. Van Arsdale continues to serve there as Director of African Initiatives and an Adjunct Professor. He previously served as faculty advisor to DU's Center On Rights Development (CORD), a graduate student organization. Through June 2008, he served as director of the school's new Program in Humanitarian Assistance. He is trained as an applied cultural and medical anthropologist, with a sub-specialty in refugee studies. He has conducted fieldwork in the U.S., Romania, Bosnia, Indonesia, Timor-Leste, South Sudan, Ethiopia, Kenya, El Salvador, Guyana, Peru, Chile, Palestine, Israel, and more briefly in Haiti. He is a former chair of the Human Rights and Social Justice Committee of the Society for Applied Anthropology. He is the former president of the National Association for the Practice of Anthropology (NAPA). He was the co-founder of The Denver Hospice and the Rocky Mountain Survivors Center. "Global Human Rights," with Oxford University Press, is his most recent publication.



Michael Paddock

WASH Consultant
Engineers Without Borders USA

Michael Paddock serves as a Senior Technical Advisor for COVID-19 to the United Nations Development Program (UNDP), on sabbatical from Engineers Without Borders – USA where he is the Chief Engineer. He grew up in Northern Minnesota and attended Michigan Technological University, receiving bachelor's degrees in civil engineering and surveying. He is a licensed professional engineer and surveyor whose professional career at CH2M HILL was spent managing teams of over 100 engineers designing infrastructure projects exceeding \$1 billion. He was the youngest- ever recipient of Wisconsin's "Engineer of the Year" award. After a near-death cancer experience, he was motivated to begin a pro bono engineering career that has delivered over 100 projects with Engineers Without Borders USA, Rotary and other nonprofits on five continents over the last 20 years. Mike is a member of the Rotary Club of Milwaukee, a WASH RAG technical advisor and a Major Donor. He recently published the book BRIDGING BARRIERS which tells the story of how a community changed its future with help from Volunteers. Learn more at www.bridgingbarriers.com

PANEL SPEAKERS

Breakout Session 3

Track 1: Tools for Community Assessment



John Dracup

Retired Professor of Engineering
University of California-Berkeley

John A. Dracup is a civil engineer and hydrologist. He holds degrees from the University of Washington, Seattle, Massachusetts Institute of Technology, and the University of California, Berkeley. He has taught water resource engineering and hydrology at both UCLA and UC Berkeley for more than 50 years. In his research, he has focused on the optimization of large-scale water resource systems and the impact of climate change on hydrologic variables. He has conducted clean water projects in Kenya, Peru, Honduras, and Guatemala. In 2001, he was a Fulbright Scholar to Australia. In 2015, the Rotary Foundation cited him for his efforts in supplying clean, safe water in developing countries. He wrote the book, "Clean Water for Developing Countries," to assist readers in choosing the best method for providing clean and safe water in a developing country. Most of the book's content comes from knowledge gained from his 50-plus years of research and teaching, 35 years as an expert witness on numerous hydrologic and water resource engineering legal cases, field work with clean water projects, attendance at various courses including ones at the Centre for Affordable Water & Sanitation Technologies (CAWST) in Calgary, Alberta, Canada and at "Potters for Peace" in Dodgeville, Wisconsin, and his many colleagues and students. John lives in Santa Monica, CA, with his wife and family.



Tim Wellman

Program Development Director
Water Engineers for the Americas and Africa (WEFTA)

Tim Wellman is the Program Development Director for a small NGO called Water Engineers for the Americas and Africa (WEFTA). WEFTA's mission is to engage with people and partners to improve water, sanitation, and hygiene resources for the benefit of communities and the environment. Tim started his career in WASH as a Peace Corps Volunteer working on water and sanitation improvement projects in El Salvador. He continued to serve as the Technical Trainer for PC/El Salvador for two more years after his two and a half years volunteer service. Tim returned to the US and worked for the New Mexico Rural Water Association (NMRWA) under a USEPA grant to develop stakeholder capacity for water and wastewater systems on tribal lands in NM and AZ.

After six years of service to NMRWA, Tim returned to work for Peace Corps in Panama as the Environmental Health Program Director where he managed 40 PC volunteers per year working on WASH resource development in rural and mostly indigenous areas of Panama. After two tours of Federal PC service Tim returned to his home in Colorado where he now works for WEFTA, sits on a Water and Sanitation District Board, and is the Electronic Training Committee chair for the Rocky Mountain Water and Environment Association.

PANEL SPEAKERS

Breakout Session 3

Track 2: Maternal & Child Health



Heather Arney

Insights & Innovation Senior Manager
Water.org

As the Insights and Innovation Senior Manager at Water.org, Heather has 20+ years of finance and water & sanitation experience. Heather leads the organization's monitoring and evaluation strategy and efforts to track and measure program efforts and impacts. Since joining Water.org in 2005, Heather has helped to expand its international partner network and capacity, design and implement strategic programs, and develop measurement frameworks and information systems for program monitoring and evaluation. Heather will provide an overview of the importance of WASH considerations in maternal and child health, explain how Water.org's approach to helping to provide access to safe water and sanitation through affordable financing, such as small loans, as well as the impact to mothers and children from a household-level perspective.



Heidi Rickels

Co-Founder and Executive Director, Freshwater Project International
President, Rotary E-Club of WASH

Heidi is the Co-Founder and Executive Director of Freshwater Project International, which works to provide clean water, safe sanitation, and hygiene education to people in villages, schools, and health centres in Malawi, Africa. Heidi's 20+ years in corporate marketing, international healthcare and development have helped shape her perspective on the vital importance of a holistic approach to WASH in Healthcare Facilities and the impact it provides on Maternal and Child Health. Heidi holds a B.S. in Business Administration from the University of Kansas and a masters degree from the University of Denver's Korbel School of International studies. She is a founding member of the Rotary E-Club of WASH out of District 9980 and current serves as club President.



Kevin Andrezejewski

Program Manager
Engineers Without Borders USA

Kevin Andrezejewski, EWB-USA's Sr. Program Manager, started his journey into International Development at a young age with a subscription to National Geographic. Fast forward a few years and career stops in the private sector, which included leadership positions in supply chain management and international business development in both the tech and retail sectors. From there Kevin moved closer to his career goals by completing an MBA in International Development at Colorado State University. After his MBA, Kevin consulted for social enterprises and iNGOs focusing on Strategic Planning, Business Development and Leadership. In 2010 Kevin began managing supply chains for iDE, an agriculture and WASH iNGO. In 2016 he took on his first stint with EWB as a volunteer project manager for Engineering Service Corps' Farmer-to-Farmer project in Kosovo. In late 2016 Kevin took a full-time staff position to lead ESC's process development and strategy to grow the program including building partnerships with iNGOs, foundations and other clients to leverage EWB's seasoned engineer roster. In his career Kevin has worked in over 25 Lower Income Countries and prides himself on bringing culturally appropriate solutions through engineering that are sustainable by local stakeholders.

PANEL SPEAKERS

Breakout Session 3

Track 3: Disease Prevention & Treatment



Max Perel-Slater

Tanzanian Executive Director
Maji-Safi Group

Max has 10 years of experience implementing WASH and Menstrual Hygiene Management (MHM) projects in East Africa. He is the co-founder and Executive Director of the Maji Safi Group, the Lake Zone Coordinator of the Tanzanian Water and Sanitation Network (TAWASANET), a founding member of the Tanzanian Menstrual Hygiene Management Task Force, and is on the Mainland Tanzania Technical Working Group on MHM organizing by the Ministry of Health and UNICEF-Tanzania. Further, Max serves as a research fellow at Emory University's Rollins School of Public Health and the COVID-19 Hygiene Hub.



Kate Harawa

Director of Influence and Scale
Water For People Malawi

Kate Harawa is a Water Sanitation and Hygiene (WASH) Specialist, with twenty years' work experience. She is currently working as a Director of Influence and Scale for Water For People. Kate previously served as Country Director for Water For People Malawi for 14 years. Before Water For People she worked for OXFAM as WASH program Officer for Malawi. Kate does not only care about water supply, but also the resource, as she puts much attention to Integrated Water Resources Management. She builds programs, teams, embraces the power of data in decision making and programming. Kate is passionate about improving the quality of life of all people especially girls, women and children, helping them realize their potential and contributing to development. She has a proven track record of taking to scale, city/district wide initiatives that transform the political and social economic systems to achieve life changing goals. Kate hold Bachelor of Science Degree in Environmental Science and Technology from the University of Malawi-Polytechnic.

PANEL SPEAKERS

Breakout Session 3

Track 4: Tools for Disaster Response



Christina Chanes

Extension Agent
University of Virgin Islands

Christina Chanes works at UVI and is responsible for a variety of youth and community focused grants that emphasize the importance of water conservation and water quality. For the past seven years, she has been focused as a researcher who specializes in community outreach and presents both nationally and internationally at conferences about water quality.

She has current funding with USDA, has completed a collaboration with UPR Mayaguez and is working with researchers across disciplines at the university of the Virgin Islands and with researchers from universities across the nation and internationally including with Guadalupe in the FWI, University of Johannesburg, SA and others throughout the eastern Caribbean. While at UVI she has been awarded more than 1.2 million in grant funding to support projects related the Health and Climate including drought. In her spare time, Ms. Chanes is a free-lance writer, radio host and photographer living and working in the USVI. Since 1998 she has published more than 3500 news, magazine and web related articles in her 20-year career as a journalist. She has also published more than 1500 photographs and has had art exhibits of her work in and around the LA area since 1998.

Her has appeared in the Inland Valley Daily Bulletin, 210 East, 210 West, Long Beach Press Telegram, Los Angeles Daily News, The Whittier Daily News, The San Gabriel Valley Tribune, Pasadena Star News, the Sun and Globestreet.com. She has also been featured in Tradeshow Week, American City & County Magazine, Design Build Business; Woman's Day, Design Journal, MAMM Magazine and is also featured in the series, Chicken Soup of the Mother's Soul 2. She also hosts, Eye on the VI at WUVI and does more than 200 hours per year of programming on community news and charitable events throughout the Caribbean. For her works she has been honored by the EPA, Region 2 as one an Environmental Champion in 2017 which she received in May of 2017 in NYC.

Joshua Knight

Program Engineer
Global Hope Network International



Joshua has over twenty years of experience in the water, wastewater, sustainable engineering and international development fields. His call to work with Global Health Network International fulfilled his deep longing to serve the poor in physical, mental and spiritual needs. Joshua works to help ensure that GHNI infrastructure projects are sustainable and high quality. He provides guidance and technical assistance to GHNI project teams throughout the assessment, design, implementation, and monitoring process. This assistance is provided through project oversight and educating GHNI leaders in responsible engineering. For GHNI, Josh has been on the ground to assist on water, TCD and disaster response projects in Iraq, Lebanon, Myanmar, Nigeria, Burkina Faso, Kenya and Cameroon. He is an active member of the Rotary Club of Denver Southeast and the Co-Chair of the District 5450 WASH Committee.

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