

2022 AWWA-HIWPS Water and Wastewater Conference Technical Program



Day 1 - Wednesday, August 31, 2022

Start	End	Duration	Event Name	Presenter	Topic
8:00 AM	9:00 AM	1:00	REGISTRATION		
8:50 AM	9:00 AM	0:10	Welcoming Remarks	Evangeline Lujan, GWA, AWWA-HIWPS Chair	Welcoming Remarks
9:00 AM	9:10 AM	0:10	In Memoriam	John Jenson, Ph.D., Water Environment Research Institute (WERI)	Remembering Dr. Mark Landert and Dr. Joe Rouse† The Memorial Scholarships
9:10 AM	10:00 AM	0:50	Regional Utilities Update	Miguel Bordallo, PE, GWA, Guam Chretien Voerg, PE, CUC, CNMI Anthony Rudimch, PPUC, Palau Kembo Mida, CPUC, Chuuk Charles Falmeyog, YSPSC, Yap	Updates from Utilities around the Region: Guam Waterworks Authority CNMI Commonwealth Utilities Corporation Palau Public Utilities Corporation Chuuk Public Utility Corporation Yap State Public Service Corporation
10:00 AM	10:30 AM	0:30	BREAK		
10:30 AM	11:00 AM	0:30	Presentation	Kyle Hay, PE, Brown and Caldwell	Planning For and Managing Risks of PFAS Contamination in Drinking Water Supplies
11:00 AM	11:30 AM	0:30	Presentation	Ben Goecke, Calgon Carbon Corporation	GAC 101 - Basics and Applications
11:30 AM	12:00 PM	0:30	Presentation	Mary Lou Romero, Brown & Caldwell	Some Like It Hot, but PFAS Does Not! Advancing Thermal Destruction of PFAS in Biosolids
12:00 PM	1:20 PM	1:20	LUNCH		
1:20 PM	2:00 PM	0:40	Presentation	Alyssa Hall, Cadmus Steve Fries, US Environmental Protection Agency (EPA)	Climate Resiliency and Adaptation Planning: Resources to get started
2:00 PM	2:30 PM	0:30	Presentation	Susan Mukai, Brown and Caldwell	Impacts of Climate Change on Honolulu Water Supplies and Planning Strategies for Mitigation
2:30 PM	3:00 PM	0:30	Presentation	Romina King, Ph.D., University of Guam	Climate Change – Guam – State of the knowledge
3:00 PM	3:30 PM	0:30	BREAK		
3:30 PM	4:00 PM	0:30	Presentation	Joseph Lane, Aegion	Pressure Pipeline Rehabilitation Methods for Municipal Water Applications
4:00 PM	4:30 PM	0:30	Presentation	Julie Mendoza, Guam Environmental Protection Agency	Lead and Copper Rule Revisions: Upcoming Requirements for Public Water Systems
4:30 PM	5:00 PM	0:30	Presentation	Derek Chambers, Lau Lau Consulting	Biofilm Issues in Pipe: Two Case Studies in Coastal Texas
4:30 PM	7:00 PM	2:30	MIXER		

2022 AWWA-HIWPS Water and Wastewater Conference WERI Regional Advisory Council Meeting



Day 2 - Thursday, September 1, 2022

Begin	End	Duration	Event Name	Presenter; Principal Investigator	Topic
8:00 AM	8:30 AM	0:30	REGISTRATION		
8:20 AM	8:30 AM	0:10	Opening Remarks	John Jenson, Ph.D., WERI, UOG, Director Thomas Krise, Ph.D., UOG, President	Opening Remarks WERI Regional Advisory Council Meeting
8:30 AM	8:45 AM	0:15	Presentation	John Jenson, Ph.D., WERI, UOG	WERI: Who We Are and What We Do
8:45 AM	9:00 AM	0:15	Presentation	Atasha Bautista, UOG Jovic Caasi, UOG Nathan Habana, Ph.D., WERI, UOG	Evaluating the Vulnerability of Guam's Water Production Wells Through a Solute Transport Model
9:00 AM	9:15 AM	0:15	Presentation	Hazelle Ko; Yuming Wen, Ph.D., WERI, UOG	Patterns and Trends of Salinity in the Yigo-Tumon Basin
9:15 AM	9:30 AM	0:15	Presentation	Fagan Matthys, UOG Nathan Habana, Ph.D., WERI, UOG	Swamp Road Nitrate Solute Transport Project
9:30 AM	9:45 AM	0:15	Presentation	Maria Jhonnie Villareal, M.S. John Jenson, Ph.D., WERI, UOG	The NGLA Monitoring System Expansion and Rehabilitation Program
9:45 AM	10:00 AM	0:15	Presentation	John Hoffman, Pacific Islands Water Science Center, USGS	USGS Pacific Islands Water Science Center—who we are, and what we do
10:00 AM	10:15 AM	0:30	BREAK		
10:15 AM	10:30 AM	0:15	Presentation	Barry Kim, Ph.D., WERI	PFOS migration trend in Production Well Field of Saipan, CNMI
10:30 AM	10:45 AM	0:15	Presentation	James Pangelinan, UOG Chris Yeo, Ph.D., WERI, UOG	Stormwater Management for Garapan, Saipan
10:45 AM	11:00 AM	0:15	Presentation	Barry Kim, Ph.D., WERI, UOG	Information transfer plan of FSM water quality analysis technique
11:00 AM	11:15 AM	0:15	Presentation	Danko Taboroši, Ph.D., Island Research & Education Initiative (IREI) Chris Yeo, Ph.D., WERI, UOG	FSM Water Edu – Pohnpei
11:15 AM	11:55 AM	0:40	Panel	John Jenson, Ph.D., WERI, UOG Miguel Bordallo, PE, GWA Maria Lewis, NAVFAC Marianas Stephen Zahniser, Pacific Islands Water Science Center, USGS	The One-Guam Water Resources Information Program: Data for sustainable management of Guam's freshwater resources
11:55 AM	12:00 PM	0:05	Presentation	John Jenson, Ph.D., WERI, UOG, Director Ross Miller, Ph.D., WERI, UOG, Interim Director-Designate	WERI: The Way Ahead (and special presentation)
12:00 PM	1:20 PM	1:20	LUNCH		
12:30 PM	12:40 PM	0:10	Retirement	Miguel Bordallo, PE, GWA	Congratulations to Dr. John Jenson on his Retirement
1:20 PM	3:30 PM	2:10	Presentation/ Networking	Ken Rekdahl, PE, Dueñas, Camacho & Associates, Inc.	Student-Industry Networking/ Poster Competition Presentations

2022 AWWA-HIWPS Water and Wastewater Conference Technical Program



Day 3 - Friday, September 3, 2022

Start	End	Duration	Event Name	Presenter	Topic
8:00 AM	8:50 AM	0:50	REGISTRATION		
8:25 AM	8:30 AM	0:05	Awards	Pete Diaz, PE, AECOM	Poster Competition Awards
8:30 AM	9:00 AM	0:30	Presentation	Jeffery Bell, PE, GHD	Upgrade of Northern District Wastewater Treatment Plant
9:00 AM	9:30 AM	0:30	Presentation	Mauryn McDonald, PE, GWA	Guam 2022-2023 Clean Water and Safe Drinking Water Construction Grant Projects Priority List
9:30 AM	10:00 AM	0:30	Presentation	Tom Konner, US EPA Region 9	EPA Water/Wastewater Infrastructure Funding for the Islands
10:00 AM	10:30 AM	0:30	BREAK		
10:30 AM	11:00 AM	0:30	Presentation	Ken Thompson, Jacobs	Applying Artificial Intelligence (AI) in Water and Wastewater Systems
11:00 AM	11:30 AM	0:30	Presentation	Reinhard Sturm, E Source Stephen Preston, WSO	Implementation of a comprehensive water loss reduction program – Year one results and lessons learned
11:30 AM	12:10 PM	0:40	Presentation	CAPT Brian Bearden, PE, GEPA Mauryn McDonald, PE, GWA Senator Sabina Perez, 36th Guam Legislature	Management of septic systems in island aquifers
12:00 PM	1:20 PM	1:20	LUNCH		
1:10 PM	1:40 PM	0:30	Travel	Bus	Depart from Dusit Thani Resort
1:40 PM	4:10 PM	2:30	Site Tour	Tour	Northern District Wastewater Treatment Plant
4:10 PM	5:00 PM	0:50	Travel	Bus	Return to Dusit Thani Resort
5:00 PM	5:00 PM	0:30	CONFERENCE CLOSEOUT		