

OU International WaTER Conference

September 16-17, 2019

Start	End				
		SUNDAY, SEPTEMBER 15			
6:30 PM	9:00 PM	Registration available - conducted by Forum and Conference Services (FCS)			
7:30 PM	9:15 PM	Opening General Reception			
		MONDAY, SEPTEMBER 16			
7:00 AM	2:00 PM	Registration for Conference			
8:30 AM	9:00 AM	ROOM M: Welcoming Remarks Opening Session - Drs. David Sabatini and Jim F. Chamberlain (Conference Co-Chairs)			
		Welcome to the University of Oklahoma - Dean John Antonio, OU Provost Kyle Harper			
9:00 AM	9:40 AM	ROOM M KEYNOTE 1: Kyle Harper - The Deep History of Water and Waste			
9:40 AM	10:00 AM	BREAK (20 min)			
		ROOM I	ROOM L	ROOM G/H	ROOM J/K
		Session 1: WaSH Technological Innovation and Design	Session 2: "Reaching the Last 20%": Clean Water and Sanitation at the Last Household	Session 3: Fluoride/Arsenic Mitigation Systems	Session 4: Global Water Issues in the U.S. and Abroad: Similar yet Distinct
10:00 AM	10:20 AM	Improvements to Ceramic Water Filters: Manufacturing Methods and New Designs (Derek Chitwood, Dordt University)	Drinking Water Quality Solutions in Latin America: Regional workshop of 15 countries establishes a roadmap for reaching the last 20% (Eva Manzano, CAWST)	Porous hydroxyapatite ceramics for treatment of fluoride impacted drinking water (Anisha Nijhawan, OU)	Jason Vogel (Oklahoma Water Survey) assembles a panel of U.S. and international water experts to discuss similarities and contrasts on water issues: 10:00-10:30 Environmental Flows - India and Oklahoma 10:30-11:00 Surface Water Quality Improvement - Kenya and Oklahoma
10:20 AM	10:40 AM	Low-Cost Manual Water Pumps in the Developing World: Exploring the Potential Applicability of Duckbill Valves (Caroline Bowers, Mercer University)	Scaling Self-supply with the SMART approach A promising development in Zambia (Henk Holtslag, SMART Centre Group)	Unlock the potential for millions in the Ethiopian Rift Valley with safe water kiosk as a sustainable social business to prevent fluorosis (Esayas Samuel, OSHO, Ethiopia)	
10:40 AM	11:00 AM	Water sources, pit emptying and power relations in Kampala's Sanitation infrastructure (Gloria Nsangi - Makerere University, Uganda)	Waterless toilets design and construction for use in Nigeria (Isaac Akinwumi, Covenant University, Nigeria)	Improving sustainability of the electrocoagulation defluoridation unit through alterations in process operation mode and electrode configuration (Pranav Nagarnik, CSIR-NEERI, India)	
11:00 AM	11:20 AM	BREAK (20 min)			
		ROOM I	ROOM L	ROOM G/H	ROOM J/K
		Session 5: Innovative Mountain Groundwater Systems	Session 6: "Reaching the Last 20%": Clean water and sanitation at the last household	Session 7: Hydrology and Water Security under a Changing Climate	Session 8: Global Water Issues in the U.S. and Abroad: Similar yet Distinct (continued)
11:20 AM	11:40 AM	The Drilled Spring Wells Project for Safe Drinking Water in Poor Mountain Communities (John Cherry, University of Guelph)	Economies of Scale: Scaling Impact through Safe Water Enterprises and Area-Based Strategies (Mike Barbee, Water4)	Sustainability Science Approach for Restoring and Managing Langat River Basin in Malaysia (Rahmah Elfithri, Institute for Environment and Development (LESTARI), Universiti Kebangsaan Malaysia (UKM))	Jason Vogel (Oklahoma Water Survey) assembles a panel of U.S. and international water experts to discuss similarities and contrasts on water issues (continued): 11:20-11:50 Working with youth - Bolivia and Oklahoma 11:50-12:20 Group discussion, moderated by Vogel
11:40 AM	12:00 AM	Towards Improved Protection of Mountain Groundwater: Dominican Republic Spring Assessment (Monica C. Resto-Fernandez, Mercer University)	The Impact of a Private Water Enterprise on Household Water Services in Rural Ghana (Philip Deal, OU)	Shared Governance and Spatial Justice: Water, Data, and Communities (Melinda Laituri, Colorado State University)	
12:00 AM	12:20 PM	Low-Cost Water Supply Solutions: Water Containment Structure - Design, Construction and Testing for 'Drilled Spring' Systems (Emilie Vanness, Mercer University)	Working through community structures to achieve and sustain improved WASH practices in rural Ethiopia (Ruhama Bereket, Ethiopian Kale Hiwot Church Development Commission)	SERVIR-Africa: Capacity building to enhance resilience to water and water related disasters in emerging regions (Teshome L. Yami, OU)	
12:20 PM	1:40 PM	LUNCH (1 hr, 20 min)			

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1:40 PM	2:20 PM	ROOM M	KEYNOTE 2: John Butterworth - Systems approach to WaSH: Systems Failure in Rural Water Supply		
2:20 PM	3:00 PM	ROOM M	KEYNOTE 3: Jenna Davis - Systems approach to WaSH: "Working the System"		
3:00 PM	3:20 PM	BREAK			
		ROOM I	ROOM L	ROOM G/H	ROOM J/K
		Session 9: Experience of NGOs and Charitable Organizations in WaSH	Session 10: Water Reuse and Sustainability	Session 11: Remote Sensing and Capacity Building for Emerging Regions	Session 12: Self-Supply Workshop
3:20 PM	3:40 PM	Jeff Hargrave, Sr. Rosemary Nyirumbe - Pros for Africa / Sewing Hope Foundation	Objectively measuring the public’s knowledge of direct potable water reuse (Adam Feltz, Dana Mahmoud, and Braden Tanner, OU)	Satellite-based Precipitation for Water Applications (Shruti Upadhyaya and Pierre-Emmanuel Kirstetter, OU)	SDG6.1 – Affordable Water for All – Self-Supply: Benefits, Concerns and Case Study Laura Brunson, MWA Mike MacCarthy, Mercer University John Butterworth, IRC
3:40 PM	4:00 PM	Access for All: Engineers in Action's Bridge and Infrastructure Programs in Latin America and Africa (Rod Beadle, EIA)	Influencing Public Opinion on Water Reclamation Through an Educational Intervention (Eleanor Rainbolt, Anisha Nijhawan)	Remote sensing and statistical data collection methodologies of irrigated areas: A review (Ali Ajaz, Oklahoma State University (formerly UNESCO-IHE Institute of Water Education, Delft, The Netherlands)	
4:00 PM	4:20 PM	Water4: Vision and Mission (Mike Barbee, Water4)	The potential use of natural vs commercial sorbent material for the removal of divalent metals in wastewater (Sujata Mandal, University of North Texas)	Assessment of Bangladesh groundwater for drinking and irrigation using weighted overlay analysis (M.M. Rahman, North South University, Dhaka, Bangladesh)	
4:20 PM	5:20 PM	POSTER SESSION (GRAD AND UNDERGRAD) AND SOCIAL / POSTER CONTEST			
5:20 PM	6:00 PM	K-8 POSTER AWARDS CEREMONY			
6:00 PM		ETHIOPIAN COFFEE CEREMONY (networking)			
		Free evening for networking and socializing			