

	Session Title	Speaker	Location
7:45-8:40 am	Opening & Welcome by Event Sponsor	Brent Borchers, <i>Terracon</i>	
	A Few Words from the ASHE National President	Greg Dutton, <i>Volkert, Inc., ASHE National President</i>	
	Keynote Speaker	Mark Woodson, <i>Woodson Engineering, ASCE National Past-President</i>	Cottonwood Ballroom
	Session Close/Breakout Announcement	Fausto Burruel, <i>Town of Marana</i> ; Deirdre Broshnihan, <i>Pima County Regional Flood Control District</i>	
☕ COFFEE BREAK			
8:55-9:45 am	EWRI Session 1	<i>Various (See EWRI Program)</i>	Desert Star
	Major Changes in Trip Generation for Large-Scale Residential Projects/Lessons Learned in the Use of Drones for Parking Studies	Darlene Danehy, PE, TE, PTOE, <i>Psomas</i>	Golden Poppy
	Data-Driven Approaches for Traffic Monitoring and Management	Yao-Jan Wu, Ph.D, PE, <i>University of Arizona</i>	Brittlebush
	Health Assessment of Structures	Achintya Haldar, <i>Department of Civil Engineering and Engineering Mechanics, University of Arizona</i>	Chia
	Backseat Driving and Taking the Wheel	Barbara Shuck, FSMPS, CPSM, <i>Wilson & Company</i> ; Grenee Celuch, CPSM, <i>Concord General Contracting</i> ; Donna Corlew, FSMPS, CPSM, <i>C*Connect</i> ; Frank Lippert, FSMPS, CPSM, <i>Go! Strategies</i>	Larkspur
☕ COFFEE BREAK			
10:00-10:50 am	EWRI Session 2	<i>Various (See EWRI Program)</i>	Desert Star
	SR202L South Mountain Freeway P3 Update	Steve Mishler, <i>ADOT Design Manager</i> ; Doug LaMont, <i>Connect 202 Partner's Design Manager</i>	Golden Poppy
	Effective Teaching and Training Strategies for New Engineers	Fethiya Oziz, Ph.D, PE; John Tingerthal, Ph.D, PE, SE	Brittlebush
	New FRP Solutions for Rehabilitation of Transportation Structures	Mo Ehsani, Ph.D, PE, SE, FASCE, <i>QuakeWrap, Inc.</i>	Chia
	Abandoned Utilities: Out of Sight - Out of Mind?	Al Field, <i>Al Field & Associates</i> ; Sandra Holmes, <i>Arizona 811</i>	Larkspur
☕ COFFEE BREAK			
11:00-11:50 am	EWRI Session 3	<i>Various (See EWRI Program)</i>	Desert Star
	Out with the Old and In with the New - Updating a Safety Management System (SMS) into a "Modern" Roadway Safety Management Program	Seth W. Chalmers, PE, and Tobias Bennett-Gold, PE, <i>Pima County Department of Transportation Traffic Engineering Division</i>	Golden Poppy
	Engineer/Designer of the Future	Dean Kashiwagi, Ph.D, PE, <i>Fulbright Scholar, Professor, IFMA Fellow</i> , and Jacob Kashiwagi, Ph.D, <i>Performance Based Studies Research Group, Arizona State University</i>	Brittlebush
	Strut and Tie Modeling per ACI: Common Misconceptions and Recent Developments	Robin Tuchscherer, Ph.D, PE, SE, <i>Northern Arizona University</i>	Chia
	ASCE Peer Review Program for Public Agencies - This One's for YOU!	Benny J. Young, PE, RLS, <i>Civil Engineer and Public Services Administrator</i>	Larkspur
🍽️ LUNCH SESSION			
11:50-1:20 pm	Lunch Session Overview & Conference Committee Thank You	Fausto Burruel, <i>Town of Marana</i> ; Deirdre Broshnihan, <i>Pima County Regional Flood Control District</i>	
	President's Memorable Moment & Lunch Sponsor Thank You	Mark Lamer, PE, <i>Department of Civil Engineering, Construction Management and Environmental Engineering, Northern Arizona University</i>	
	Lunch Keynote: Ancient Water Technologies: Traditional Knowledge and Sustainability for the Future	Larry W. Mays, Ph.D, PE, D.WRE, F.ASCE, <i>Department of Civil and Environmental Engineering, Ira A. Fulton School of Engineering</i>	Cottonwood Ballroom
	ASCE Region 8 Overview	Lawrence M. (Larry) Magura, PE, F.ASCE, D.WRE (ret.), <i>Governor, ASCE Region 8</i>	
	ASCE Region 8 Awards, Section Awards, Presentation of Scholarships, Officer Installation	Mark Lamer, PE, <i>Department of Civil Engineering, Construction Management and Environmental Engineering, Northern Arizona University</i>	
	ASCE Officer Installation	Mark Woodson, <i>Woodson Engineering, ASCE National Past-President</i>	
🛑 BREAK			
1:35-2:25 pm	EWRI Session 4	<i>Various (See EWRI Program)</i>	Desert Star
	Business Ethics for Professional Engineers and the BTR	Alejandro Angel, Ph.D, PE, PTOE, <i>Psomas</i>	Golden Poppy
	Ugh... Millennials	Mark Lamer, PE, <i>Department of Civil Engineering, Construction Management and Environmental Engineering, Northern Arizona University</i>	Brittlebush
	High-Density Expanding Polymer Grout for Deep Soil Stabilization on SF101L	Keith Dahlen, <i>Ethos Engineering</i> ; Brendan Alan Barrett, <i>Eagle LIFT, Inc.</i>	Chia
	Breaking Stereotypes - Vision for the Future of Structural Engineering	Sam Biswas, PE and Tessa O'Neill, <i>ROARK Industries</i>	Larkspur
🍪 COOKIE BREAK			
2:40-3:30 pm	EWRI Session 5	<i>Various (See EWRI Program)</i>	Desert Star
	LEAN Thinking in Transportation Project Delivery	Jason A. Simmers, PE, PMP, <i>Kittelson & Associates</i>	Golden Poppy
	Overcoming Challenges During Design and Construction of a Shoring and Underpinning System	Aderson M. Vieira, Ph.D, PE, <i>Amecc Foster Wheeler</i> ; Bob Pettit and Kevin Somerville, <i>Buesing Corp.</i>	Brittlebush
	Subsurface Utility Engineering - Updates on ASCE Standards 38-02	Robert Ramsey, PE, <i>Southwest Regional Manager, Cardno</i>	Chia
	Building a Connection - Pedestrian Bridge in Bajo Cobre, Panama	Jason Carlaftes, PE, SE, <i>HDR Inc.</i> , Other Speakers	Larkspur
	Student Posters	Students	Cottonwood Ballroom
🍪 COOKIE BREAK			
3:40-4:30 pm	EWRI Session 6	<i>Various (See EWRI Program)</i>	Desert Star
	Connected Vehicle-to-Infrastructure Technology Advancements: National and Maricopa County Perspectives	Faisal Saleem, <i>MCDOT</i>	Golden Poppy
	Perspectives on Collaboration and Teamwork from Past AzSCE Section Presidents	Sheila M. Bowen, PE, M.ASCE, <i>Metropolitan Domestic Water Improvement District</i> ; Heidi A. Lasham, PE, ENV SP, M.ASCE, <i>Town of Sahuarita</i> ; Patricia Eisenberg, PE, M.ASCE, <i>City of Tucson Water Department</i>	Brittlebush
	Arizona Bridge Retrofit Projects	Chris Labye, PE; Ben Ansley, PE, <i>AECOM</i>	Chia
	All Things Point to LiDAR	Zachary Radel, <i>Cooper Aerial Surveys Co.</i>	Larkspur
	Student Competition	Students	Cottonwood Ballroom
🍷 NETWORKING RECEPTION 4:30-6:30 pm			
🌊 EWRI PROGRAM			
1	Impacts of Geomorphology to Engineering Design	Jonathan Fuller, PE, RG, PH, CFM, D.WRE	
	A New Look at Riprap Sizing	Nathan W. Haws Ph.D, PE; Jared N. Erickson, PE; Alexander Colburn, Christopher I. Thornton, Ph.D, PE	
2	FCDMC's Two Dimensional Integrated Hydrologic and Hydraulic Modeling Program	Tom Loomis, PE, RLS, CFM	
	Watershed Management Group	Kieran Sikdar CFM	
	Dam Safety Emergency Action Plan	Stephanie Gerlach, PE	
3	Simulation of Urban Flooding Processes Using CHRE2D Model	Jennifer G. Duan, Ph.D, PE; Jaeho Shim, and Kang Zhou	
	Membrane Bio Reactors for Wastewater Treatment	Frederick Tack, PE, ENV SP	
	Water Resources Planning	Eric McLeskey, PE	
4	Surface Water and Deep Well Pumping Perspective and Strategy	Greg Denton	
	TNC-Upper San Pedro Recharge Projects	Scott Deeny	
	CAP System Use Agreement and Water Banking	Marcus Shapiro, PE	
5	SRP Water Quality Programs	Mike Ploughe, PG	
	GI/LID in Flood/Storm/Water Conservation	Harry R. Cooper, RLA, ASLA	
	Water Rights	Robert D. Anderson	
6	Groundwater - Top Issues	Gary M. Gin, RG	
	Q&A, General Discussion of Water, Wastewater, Stormwater, and the Environment in Arizona	All EWRI Track Speakers	

