



PROFESSIONAL DEVELOPMENT HOUR (PDH) SUMMARY

ASCE NEW MEXICO SECTION FALL 2019 CONFERENCE
 ðASCE: WHERE ENGINEERING & EDUCATION COME TOGETHER TO
 BUILD A BETTER FUTUREö
 OCTOBER 18, 2019

Session Description	PDH Available	PDH Received
<p>Technical Session 1 Dr. Nader Vadie, Southwestern Indian Polytechnic Institute: <i>“VIP ROSE STEM: Vertically Integrated Projects in Research, Outreach, and Student Education in STEM”</i></p> <p>Larry Blair, P.E., Executive Engineer, Eastern Sandoval County Arroyo Flood Control Authority: <i>“Flood Control in Bernalillo and Algodones”</i></p>	1.5	
<p>Technical Session 2 Zack Libbin, P.E, District Engineer, Elephant Butte Irrigation District: <i>“New Mexico Watersheds and Dams; Maintenance, Rehab, Funding and the Future”</i></p> <p>Wyatt Kartchner, P.E. and Andrew Wong, P.E., Molzen Corbin: <i>“Sustainability – Envision Rating of I-25/University Interchange”</i></p>	1.0	
<p>Technical Session 3 Dr. Clint Richardson, NMT Civil Department Chair: <i>“Evaluating Watershed Vulnerability in Bernalillo County, NM, Using Expert Testimony, Fuzzy Analytic Hierarchy Process, and GIS”</i></p> <p>Dagmar Llewellyn, US Bureau of Reclamation: <i>“Engineering for Resilience in a Changing Climate”</i></p> <p>Arezou Rasti, Graduate Student NMT: <i>“Importance of Training Programs to Address Heat Exposure in Hazardous Industries”</i></p>	1.0	
Technical Sessions 1 -3 Total	3.5	



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Technical Session 4 – Concurrent Tracks		
Track A – Environmental & Water Resources Institute		
Charles Thompson, Dam Safety Bureau Chief, OSE: <i>“Partnership Study with Colorado Dam Safety Bureau on Re-evaluation of Extreme Precipitation Depths in Colorado and New Mexico”</i> Robert Padilla, US Bureau of Reclamation: <i>“Middle Rio Grande River Maintenance Program and 2019 Spring Runoff High Flow Conditions”</i> Dr. J. Phillip King, NMSU: <i>“Lower Rio Grande Water Issues – Past, Present, and Future”</i> Dr. Kip Carrico, NMT Professor: <i>“Biomass Burning and Air Quality in the Southwestern U.S.”</i> Dr. Frank Huang, NMT Professor: <i>“Geothermal Membrane Distillation in Industrial Greenhouse Applications”</i>	2.5	
Track B – Structures & Engineering Mechanics Institute		
Roya Nasimi, Graduate Student, Civil, Construction and Environmental Engineering, University of New Mexico: <i>“New UAS-laser system measuring reference-free dynamic displacements of critical infrastructure: design, development, and validation.”</i> Lee Hostler, BNSF railroad bridge engineer (retired): <i>“Maintenance of railroad bridges in North America.”</i> Xinxing Yuan, Graduate Student, Civil, Construction and Environmental Engineering, University of New Mexico: <i>“Collapse of RC frame caused by weak column-strong beam.”</i>	2.5	
Track C – Transportation, Geotechnical & Construction Group		
Jesse Reinikainen, PE, Principal Civil /Geotechnical Engineer, Yedoma Consultants, LLC: <i>“Applied Geological/Geotechnical Engineering: Integrating Geo-spatial Data into Project Workflow Processes”</i> Brent Meins, Vice President, Chief Engineer, Detecht, LLC: <i>“Best Practices in Construction and Blast Monitoring”</i> Edmond Adoma Baah, Graduate Student, Mineral Engineering Department, New Mexico Institute of Mining and Technology: <i>“Application of Digital Photogrammetry in Uniaxial Compression Test of Cohesive Soils”</i>	2.5	
Technical Session 4 Total	2.5	
2019 Fall Conference Total	6.0	