



Presents:

Dinner and Presentation By:
David Albus

*Test Methods and Modeling of BMPs for
Storm Water Quality Infiltration*

March 9, 2022

EVENT LOCATION:

The Grand
4101 E Willow St
Long Beach, CA 90815
Phone: (562) 429-0555

SCHEDULE

5:30 – 6:30	Registration and Social Hour
6:30 – 7:30	Dinner
7:30 – 9:00	Presentation



David E. Albus

PRINCIPAL ENGINEER
ALBUS & ASSOCIATES
ANAHEIM, CA

BACKGROUND

Mr. Albus graduated from Ohio State University, Columbus in 1985 with a B.S. degree in civil engineer and emphasis in geotechnical engineering. Mr. Albus has worked in geotechnical consulting for the last 37 years in southern California in both private land development and public infrastructure. In 1999, he started Albus-Keefe & Associates. In 2006, Mr. Albus began investigations of sites for the purpose of testing and designing infiltration systems for storm water disposal. In these yearly years, the methodology for design of systems was not well established. In the following years, the regional water quality boards began to establish testing and design methods for infiltration BMP's. Unsatisfied with the methodologies being established in the LID manuals, Mr. Albus embarked on studying the soil mechanics underlying infiltration and worked to develop approaches for the design of infiltration devices. Today, Mr. Albus has developed a leading role in the methods for testing and designing infiltration devices. He is currently working with various agencies including the Santa Ana Regional Water Quality

Control Board and the County of Los Angeles Public Works Department to revise the LID manuals and improve the design methods of infiltration devices.

ABSTRACT

Mr. Albus will be presenting an overview on the principals of water flow through earth materials with an emphasis on infiltration devices such as open basins, shallow chamber systems, and dry wells. He will review the underlying theory and governing equation of saturated flow and touch upon partial saturation conditions. He will discuss the most common field test procedures to measure permeability and infiltration. Mr. Albus will discuss methods of applying the results of field testing to the design of shallow infiltration and dry well systems using both closed form solutions and computer simulations with considerations of existing groundwater, aquitards, and interbedded soils. He will conclude with a general discussion on incorporating these methods into the current LID procedures.

REGISTRATION

Please complete your registration on our website (www.lageoinstitute.com) with PayPal/credit card payment option or pay at the door with cash, credit, or a check payable to **ASCE LA Geo-Institute Chapter**

Registration Fee¹

Early registration (<i>registration and payment received on or before 3/5/22</i>).....	\$50
Regular registration (<i>registration and payment received after 3/5/22 or on-site</i>).....	\$60
Full-time student registration ²	Free

¹No refunds for cancellations requested after 5:00 pm 3/4/22.
²Proof of full-time student status required on-site.