American Society of Civil Engineers
Los Angeles Geo-Institute Chapter
Presents:

FORTY-THIRD SPRING SEMINAR
TWENTY-THIRD LA GEO EXPO
SIXTEENTH KENNETH L. LEE LECTURE AWARD

Wednesday October 7th, 2020

Queen Mary
1126 Queen's Highway
Long Beach, CA 90802
Phone: (562) 435-3511

SEMINAR SCHEDULE
Wednesday, October 7, 2020

1:00 – 2:00 PM Registration (Geo Expo)
2:00 – 3:00 PM Presentation by Dr. Mark Panning
3:00 – 3:30 PM Coffee Break (Geo Expo)
3:30 – 4:30 PM Presentation by Dr. John Harvey
4:30 – 6:00 PM Social hour (Geo Expo)
6:00 – 8:30 PM Banquet
Kenneth L. Lee Lecture
Prof. Harry G. Poulos

Dr. Mark Panning
Jet Propulsion Laboratory

Professor John Harvey
University of California, Davis (UC Davis)

Professor Harry G. Poulos
Coffey Services Australia

23rd LA GEO EXPO
Wednesday, October 7, 2020
1:00 - 6:00 p.m.

Businesses in the geo-industry have been invited to exhibit their products and services concurrent with the Spring Seminar of the Los Angeles Geo-Institute Chapter.

If your company would like to exhibit, or if you know of a company that would like to, please contact the Vice-Chair.
Limited space is available:

David E. Albus
Albus-Keefe & Associates, Inc.
1011 N. Armando Street
Anaheim, CA 92806
Email: DAlbus@albus-keefe.net
ASCE Los Angeles Geo-Institute Chapter
Presents

FORTY-THIRD SPRING SEMINAR & SIXTEENTH KENNETH L. LEE LECTURE

The ASCE Los Angeles Geo-Institute Chapter established the Kenneth L. Lee Lecture Award to honor the contributions of Professor Lee to his profession and to recognize outstanding achievements in earthquake engineering, earth structures design, and geotechnical engineering.

The 2020 recipient of the Kenneth L. Lee Lecture Award is Professor Harry G. Poulos. Prof. Poulos will deliver the SIXTEENTH Kenneth Lee Lecture during the evening Banquet titled “Issues, Procedures and Some Shortcomings in Deep Foundation Design”

There are two afternoon presentations, the first of which will be given by Dr. Mark Panning, Research Scientist, InSight Mission to Mars, Jet Propulsion Laboratory, on “InSight: The First Geophysical Observatory on Mars” and the second afternoon presentation will be given by Professor John Harvey, of University of California, Davis, (UC Davis) on “Mechanistic-Empirical Empirical Pavement Design Using CalME and PavementME”

SIXTEENTH KENNETH L. LEE LECTURE
Wednesday October 7th, 2020

Issues, Procedures and Some Shortcomings in Deep Foundation Design

Professor Harry G. Poulos
Coffey Services Australia

Abstract
This paper reviews the key issues that must be addressed in the design of deep foundations, especially for support of high-rise buildings. Common design criteria are then set out, and a three-stage design process is outlined. The importance of geotechnical site characterization is emphasized. Some of the available design tools are discussed, together with their limitations, and a comparison is made of analysis results from four different programs. Finally, some perceived shortcomings of common design procedures are discussed, including: ignoring foundation interactions, assuming a rigid raft, assuming uniform soil properties and conditions with depth, ignoring external ground movements, ignoring kinematic seismic effects, and assuming that piles behave as elastic members. Examples of the consequences of these inadequate procedures will be illustrated via relevant case histories.

REGISTRATION
Please complete your registration on our website (www.lageoinstitute.com) with PayPal/credit card payment option or use the form below. Use one form per registrant and duplicate the form for additional registrants. Determine payment from the Registration Fee Schedule shown below. Send completed form(s) and payment in the form of a check payable to ASCE LA Geotechnical Group to the Treasurer:

Dr. Macan Doroudian
Treasurer
ESI
15235 Alton Parkway, Suite 120
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SIXTEENTH KENNETH L. LEE LECTURE
Wednesday October 7th, 2020

Registration Form
Name (Mr./Ms./Dr.)________________________
Organization_____________________________
Address________________________________
City____________________________________
State______ Zip__________________________
Phone______________ Fax __________________
E-mail__________________________________
Check #____________

Registration Fee:
Early registration (registration and payment received on or before 4/3/20)..........................($160 standard) ........................................($80 public employees)
..................................................................................($25 students)
Regular registration (registration and payment received after 4/3/20 & Before 4/14/20).....($200 standard)
..................................................................................($100 public employees)
..................................................................................($50 students)
On-site registration (4/15/20)........($230 standard only)

1No refunds for cancellations requested after 4/10/2020.
2Due to limited seating, on-site registrations will be accepted only until event is full.
3Proof of full-time student status required on-site.
4Proof of employment required on-site.

SPECIAL EVENT NOTES
1) There will be a professional photographer at the event this year. So be picture ready (both for group and professional headshots).
2) We are going to have a raffle for a special gift using your business cards. Don’t forget to bring one.