

FRIEDMAN FAMILY VISITING PROFESSIONALS PROGRAM



Visit to University of Southern California: April 8th, 2019

This report summarizes the visit of **Ivan Wong** from the Earthquake Engineering Research Institute that took place at the University of Southern California on April 8th, 2019.

ITINERARY OR AGENDA

Provide the itinerary of the visit. For example:

TIME:	ACTIVITY:
9:30 AM – 10:00 AM	Student Chapter President meets & welcomes Visiting Professional to campus
10:00 AM – 10:30 AM	Meeting with the student chapter leadership from this year (and next year's leaders if possible)
10:30 AM – 11:30 AM	Guest Lecture by Ivan Wong
11:30 AM – 12:00 PM	Tour of Viterbi Engineering Facilities and overall campus with Ivan Wong and students
12:00 PM – 1:00 PM	Lunch with Ivan Wong and participating students
1:00 PM – 2:00 PM	Discussion between Ivan Wong and undergraduate students regarding the SDC competition and USC courses

STUDENT CHAPTER VISIT PLANNING COMMITTEE

LEAD ORGANIZER: Julia Lind, President, jlind@usc.edu

- Kirsten Briggs, SDC Competition Chair, kebriggs@usc.edu

VISITING PROFESSIONAL LECTURE OVERVIEW

"Learning from earthquakes: Implications to Seismic Hazards and Seismic Design in the U.S. in the 21st Century"

Lecture Abstract

The presentation focused on past seismic events and how they have affected new construction and engineering around the world. As the lecture was located in Southern California, Ivan focused on discussing the implications of the 1994 Northridge Earthquake. The probabilistic seismic hazard analysis (PSHA) methodology for estimation of the hazard for important and critical facilities is crucial to nationwide preparation. The research Ivan shared included estimations on how quickly a building or area recovers from a seismic event and how that is translated to preparation for the next event. Advancement in ground motion prediction will reduce the uncertainties in hazard estimation in the United States.

Professional Bio

Ivan Wong has over 40 years of experience in engineering seismology and seismic geology. Wong was the past president of Northern California EERI. He assisted FEMA in implementing risk analysis software HAZUS and was appointed to the California Seismic Safety Commission by Governor Jerry Brown. Throughout his life he had authored or co-authored 350+ publications.

SUPPLEMENTAL ACTIVITIES

Post-Lunch Student Q & A

After lunch with Ivan Wong, students were able to ask questions regarding EERI, seismology, career and personal advice. It was a personalized conversation that everyone enjoyed. The discussion was free flowing and lasted about an hour. Students were able to ask questions in a less professional setting than immediately following the lecture.

RESULTS, FEEDBACK AND LESSONS LEARNED

The program benefited all the of the participating students of the University of Southern California chapter. The entire club and USC Civil Engineering Faculty that attended are grateful for the time that Ivan Wong put into the presentation and answering student's questions.

The student chapter would benefit from more guest lectures regarding current events, specifically because this chapter is located in Southern California – the location of many recent earthquakes – it would be beneficial to understand the research and impact of the current seismic events.

ACKNOWLEDGEMENTS

The University of Southern California EERI Student Chapter gratefully acknowledges the support of the Friedman Family for sponsoring the travel of Ivan Wong through their Friedman Family Visiting Professional Program endowment.

LIST OF ATTACHMENTS

Included at the end of this report are various attachments to supplement the information included above. A list of the attachments is included below:

- Flier for the event.

FRIEDMAN VISITING PROFESSIONAL LECTURE SERIES:

“SEISMIC HAZARDS AND DESIGN IN THE 21ST CENTURY”

Join the USC Earthquake Engineering Research Institute for an exciting presentation on the innovations in Seismic Hazard and Design due to seismologist research from leading seismologist Ivan Wong, PG.

“Learning From Earthquakes: Implications to Seismic Hazards and Seismic Design in the U.S. in the 21st Century”



ABOUT IVAN WONG:

- 40+ years of experience in engineering seismology and seismic geology
- Past president of Northern California EERI
- Assisted FEMA in implementing risk analysis software HAZUS
- Appointed to the California Seismic Safety Commission by Governor Jerry Brown
- Authored or co-authored 350+ publications

DETAILS

DATE | MONDAY, APRIL 8TH

TIME | 10:30 AM - 11:30 AM

LOCATION | THH 108 (TAPER HALL)

