

# FRIEDMAN FAMILY VISITING PROFESIONALS PROGRAM



## Visit to Johns Hopkins University: March 3<sup>rd</sup>, 2016

This report summarizes the visit of **David Cocke** from Structural Focus that took place at the Johns Hopkins University on March 3<sup>rd</sup> 2016,

### ITINERARY OR AGENDA

TIME:	ACTIVITY:
11:30 AM-12:00 AM	Student Chapter President meets & welcomes Visiting Professional to campus
12:00 AM – 1:15 PM	Guest lecture by Visiting Professional
1:15 PM – 2:30 PM	Lunch
2:30 PM – 3:00 PM	Structure Lab in Civil Engineering Department
3:00 PM – 4:00 PM	Coffee hour with department graduate students (soon to be graduating) for career guidance
4:00 PM – 4:30 PM	Meet with Prof. Judy Mitrani-Reiser
4:30 PM – 5:00 PM	Meet with Prof. Rachel Sangree, Chair, EP Program

### STUDENT CHAPTER VISIT PLANNING COMMITTEE

#### LEAD ORGANIZER(S):

- Guanbo Bian, President, [bian@jhu.edu](mailto:bian@jhu.edu)
- Xilei Zhao, Vice president, [xzhao29@jhu.edu](mailto:xzhao29@jhu.edu)

#### FACULTY ADVISOR:

- Professor Judy Mitrani-Reiser

### VISITING PROFESSIONAL LECTURE OVERVIEW

Engineering students learn a lot about analyzing structures, designing systems and connections and other tools to be successful as a practicing engineer in the real world. In real life, engineers have a tremendous impact on our society. The profession plays a major role affecting important issues such as sustainability, public safety, the aesthetics of our built environment, community resilience and recovery from disasters, preservation of historic structures and client's needs for a viable facility. In the presentation, Mr. David Cocke explained some of their philosophy and strategies with their projects.

## Lecture Abstract

Mr. David Cocke reviewed several case studies including the Annenberg Center for Performing Arts in Beverly Hills, 3Labs, Agensys and the historic Masonic Temple and the Wilshire Boulevard Temple restoration projects. David also introduced their latest work with community resiliency involving post-disaster inspection programs. During this seminar, David showed us how a wide diversity of projects can provide engineers with the opportunities to contribute to a better future and how our passion can lead to your success.

## Professional Bio

**David Cocke**, S.E., F. SEI, F. ASCE, founded Structural Focus in Los Angeles in 2001 after 20 years at a previous firm in California. He is a registered structural engineer in a dozen states and has an expertise in seismic evaluation, historic preservation, retrofit design and new structural design. Some of David's more notable projects include the Annenberg Performing Arts Center in Beverly Hills, the Google Los Angeles headquarters, Red Bull North America headquarters, the Wilshire Boulevard Temple restoration in Los Angeles, multiple buildings at Dreamworks, Warner Bros. and Sony Pictures, and many others. David currently serves on the EERI Board of Directors, the SEI Board of Governors and has served on numerous Boards for the Structural Engineers Association in California, and on the Board of numerous preservation organizations. He is also the Managing Director of SAFEq Institute, an expert resource for building owners, risk managers, engineers, and local jurisdictions seeking to minimize facility and business interruption losses caused by disasters by establishing a program for first response post-disaster inspections.

## SUPPLEMENTAL ACTIVITIES

### Coffee hour with students

In this one-hour meeting, Mr. David Cocke gave students a lot of useful suggestions on their future career. Since most students in the coffee hour will graduate soon, they asked many questions on how they can perform well in their career. Some students also asked questions on how a structural company operates and negotiates with other parties during the construction process. Mr. Cocke gave answers to all these questions.

### Meeting with Dr. Rachel Sangree

Dr. Sangree teaches concrete and steel design for many years in our department. They discussed what knowledge a structural engineer needs in their daily work and how to build the bridge between in-school training and structural profession.

## RESULTS, FEEDBACK AND LESSONS LEARNED

The professional visit turns out to be very successful and helpful. In the seminar, Mr. David introduced the projects from his own company, which attracts the audience. The coffee hour gives students the opportunity to discuss their career with Mr. Cocke as well.

## ACKNOWLEDGEMENTS

The Johns Hopkins University EERI Student Chapter gratefully acknowledges the support of the Friedman Family for sponsoring the travel of Mr. Cocke through their Friedman Family Visiting Professional Program endowment.

## LIST OF ATTACHMENTS



# REAL LIFE AS A STRUCTURAL ENGINEER: PASSION LEADS TO SUCCESS

03/03 (Thursday), 12PM, Hackerman B17, **FREE LUNCH**



**DAVID COCKE**, S.E., F.SEI, F.ASCE, founded Structural Focus in 2001 after 20 years at Degenkolb. He is a registered structural engineer in a dozen states and has an expertise in seismic evaluation, historic preservation, retrofit design and new structural design. Some of David's notable projects include the Annenberg Performing Arts Center in Beverly Hills, the Google Los Angeles headquarters, Red Bull North America headquarters, and many others. In his presentation, David will explain some of their philosophy and strategies, as well as review several case studies including Annenberg Center for Performing Arts in Beverly Hills, 3Labs, Agensys and the historic Wilshire Boulevard Temple restoration. David will also introduce you to their latest work with community resiliency involving post-disaster inspection programs. David hopes to show you how a wide diversity of projects can provide engineers with the opportunities to contribute to a better future.

Civil  
Engineering  
at JOHNS HOPKINS UNIVERSITY

