

FRIEDMAN FAMILY VISITING PROFESIONALS PROGRAM



Visit to the Johns Hopkins University: Jan 30, 2020

This report summarizes the visit of **Ezra Jampole** from Exponent, Inc. that took place at the Johns Hopkins University on Jan 30, 2020.

ITINERARY OR AGENDA

TIME:	ACTIVITY:
7:00 PM – 8:30 PM (Jan 29)	JHU student chapter faculty advisor Dr. Benjamin W. Schafer and faculty member Dr. Stavros Gaitanaros met and welcomed Dr. Ezra Jampole at the hotel + dinner.
8:00 AM – 8:45 AM	Student chapter president (Zhidong Zhang) and two students met and welcomed Dr. Jampole + breakfast.
9:00 AM – 9:30 AM	Met with Dr. Schafer and had a lab tour
9:30 AM – 10:15 AM	Met with Prof. Gaitanaros (Faculty member)
10:30 AM – 11:00 AM	Met with Prof. Ghobadi (Faculty member)
11:15 AM – 11:45 AM	Met with Prof. Guest (Faculty member)
12:00 AM – 1:00 PM	Seminar on Legal and Insurance Disputes in Earthquake Engineering
1:15 PM – 2:30 PM	Lunch
2:30 AM – 3:15 PM	Informal meeting with JHU student chapter member students
3:30 PM – 4:00 PM	Met with Prof. Brady (Faculty member)

STUDENT CHAPTER VISIT PLANNING COMMITTEE

LEAD ORGANIZER(S):

- Zhidong Zhang, President, zhidongzhang@jhu.edu
- Dr. Benjamin W. Schafer, Faculty Advisor, schafer@jhu.edu

VISITING PROFESSIONAL LECTURE OVERVIEW

At the beginning of the seminar, Dr. Jampole was introduced by Dr. Schafer (Faculty Advisor) followed by a brief overview of his contributions to the field of Earthquake Engineering by the President of the Student Chapter. Dr. Jampole' lecture was mainly focused on the Legal and Insurance Disputes in Earthquake Engineering, and the lecture was overall based on a few case studies. A group of 25 people, including undergraduate, master's, and PhD students, postdoc fellows, and faculty members attended the lecture. At the end of the lecture, Dr. Jampole answered several questions from the audience, for example the difference of the understanding of legal issues in Earthquake Engineering between engineers and lawyers.



Lecture Abstract

In an ideal world, an engineer's involvement in a structure would end after construction is finished. But the reality is that many structures are subject to costly litigation or arbitration because of allegations of inadequate design or performance. Additionally, when a structure is subjected to extreme loading such as from an earthquake, insurance disputes arise regarding the source of damage and if the damage was caused by the earthquake, and who is responsible. This talk will review the types of legal disputes that structural engineers can find themselves in and how expert witnesses are used to sort through the issues and provide independent opinions. Several case studies on earthquake engineering disputes will be discussed, including: alleged reduction in the earthquake-resisting capacity of a building because of water intrusion; distinguishing between damage caused by earthquakes and caused by other actions following a large earthquake, the alleged insufficient earthquake resistant design of transportation infrastructure in a high-seismic zone, and more.

Professional Bio

Dr. Ezra Jampole visits Johns Hopkins University as part of the Earthquake Engineering Research Institute (EERI) Friedman Family Visiting Professionals Program.

Dr. Jampole is a senior engineer at Exponent in New York City. He specializes in risk analysis and performance of structures subjected to extreme loads such as earthquakes, wind, and flood events. He has served as a consultant on projects assessing the origin of damage to structures following natural disasters, adjacent construction incidents, corrosion and deterioration, settlement, and long-term issues. He has substantial experience investigating the engineering standard of care for complex energy and infrastructure projects.

Dr. Jampole also currently serves as an adjunct professor at the New Jersey Institute of Technology, where he teaches a graduate course on structural dynamics and researches high-performance concrete materials. He is extensively involved in the EERI through their Learning from Earthquakes Program and Younger Members Committee.

SUPPLEMENTAL ACTIVITIES

Meeting with the student chapter leadership

Dr. Jampole met with Zhidong and discussed the current and former activities of the Chapter.

Meeting with Faculty members

Dr. Jampole met with five of our Faculty members, Dr. Gaitanaros, Dr. Ghobadi, Dr. Guest, Dr. Brady. In these individual meetings they discussed topics such as research interests and future collaborations.

Informal meeting with a group of students

A group of graduate students met with Dr. Jampole, and asked questions about the lecture topics, research, their future careers as engineers or scholars, challenges that they may face in their careers, challenges that he faced in his career, and how he approached them.

Tour of the department's Structural Testing Lab

Dr. Schafer gave Dr. Jampole a tour of our testing lab, including different machines, testing samples, and testing techniques that students perform in the lab.

RESULTS, FEEDBACK AND LESSONS LEARNED

Dr. Jampole's visit was a successful event; our students benefited from his professional perspective on Legal and Insurance Disputes in Earthquake Engineering and his suggestions about their future careers.

ACKNOWLEDGEMENTS

The Johns Hopkins University EERI Student Chapter gratefully acknowledges the support of the Friedman Family for sponsoring the travel of Dr. Ezra Jampole through their Friedman Family Visiting Professional Program endowment. The Student Chapter also would like to thank the Department of Civil Engineering for financial and administrative supports.

LIST OF ATTACHMENTS

- Item 1, flier for event
- Item 2, picture for Dr. Jampole meeting with a group of students

GRADUATE SEMINAR

co-sponsored by the Earthquake Engineering Research Institute (EERI)

Legal and Insurance Disputes in Earthquake Engineering

Ezra Jampole, Ph.D., P.E. – Senior Engineer, Exponent, Inc.

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January 30, 2020
12-1 PM

JHU Homewood Campus, Hackerman Hall B-17

