

FRIEDMAN FAMILY VISITING PROFESIONALS PROGRAM

Virtual Visit to University of Notre Dame: April 28th, 2021



This report summarizes the **virtual** visit of **Mr. Erik Bishop** from Reid Middleton, Inc., in Everett, WA, that took place **online** for the University of Notre Dame on April 28th, 2021.

ITINERARY OR AGENDA

Provide the itinerary of the visit. For example:

TIME (ET):	ACTIVITY:
3:45 PM – 4:45 PM	Guest lecture by Visiting Professional
4:45 PM – 5:45 PM	Informal meeting with graduate students where they present, share and discuss research projects to get insight and feedback from visiting professional.

STUDENT CHAPTER VISIT PLANNING COMMITTEE

LEAD ORGANIZER(S): Aikaterini Kyprioti, President of the student chapter, akypriot@nd.edu

- Karen Angeles, Vice President of the student chapter, kangeles@nd.edu
- Dimitrios Patsialis, Member of the student chapter, dpatsial@nd.edu
- Alexandros Taflanidis, EERI faculty advisor, ataflani@nd.edu

External help from EERI community:

- Ahmed Gamal, EERI event moderator, ahmed.gamal.asu365@gmail.com
- Silvana Cobos, Friedman Family Visiting Professional Program coordinator, silvana@eeri.org

VISITING PROFESSIONAL LECTURE OVERVIEW

Mr. Bishop's visit was held virtually this year due to the Covid-19 restrictions. The chapter came in contact with the professional and made the necessary arrangements for the time of the lecture. Also it was requested from the professional to devote an extra hour to briefly chat with the members of chapter, an invitation that he gladly accepted. The lecture via zoom took place on April 28th and 12 attendees joined it, most of them members of the EERI@ND graduate student chapter. The lecture was very interesting with a plethora of on-site pictures from various earthquake events across the globe, and attracted questions regarding practical matters that involved Mr. Bishop's large personal reconnaissance experience during such events. For example, questions regarding the deployment of reconnaissance teams, their role, as well as the origin of the damages going back to the code provisions were discussed during the time that was given for questions. Mr. Bishop was glad to answer them and give his personal insight wherever possible. No photos were taken, but a virtual copy of the lecture was kept by EERI.

Lecture Abstract

Mr. Bishop will present his post-earthquake reconnaissance and response efforts, in various roles and organizations, after several of the large earthquakes and tsunamis that have occurred around the world over the past decade. He will provide a high-level summary of lessons learned from his first-hand post-earthquake reconnaissance efforts following the M8.0 Wenchuan Earthquake in China (2008), the M8.8 Chile Earthquake & Tsunami (2010), Great East Japan Earthquake & Tsunami (2011), the M7.1 Puebla, México Earthquake (2017), and the M6.4/7.1 Searles Valley, CA Earthquake Series (2019). He will share how these lessons have informed his work as a practicing consulting engineer, and discuss future focuses in the field of earthquake reconnaissance.

Professional Bio

Erik Bishop works as a senior structural project engineer at Reid Middleton, Inc., in Everett, WA and has experience working on a wide variety of earthquake-focused projects types throughout the western U.S., Japan, Peru, and the United Arab Emirates. Erik's experience includes new design, seismic evaluation and rehabilitation design for buildings and lifeline utilities, seismic resiliency studies, and the development of seismic instrumentation and earthquake response technologies. Erik has also participated in post-earthquake reconnaissance and response efforts, in various roles and organizations, after several of the large earthquakes and tsunamis that have occurred around the world over the past decade. After observing the devastating effects of these events first-hand, he is passionate about seismic safety. He has worked in several capacities in order to improve the seismic safety and resiliency of our communities, including providing post-earthquake safety evaluation trainings, working on the development of innovative earthquake response tools for emergency managers, and participating in various earthquake preparedness advocacy and professional committee efforts. He was selected as a Housner Fellow in 2017 through the Earthquake Engineering Research Institute (EERI).

SUPPLEMENTAL ACTIVITIES

Meet 'n' greet with Erik

This event took place virtually after the lecture and subsequent time slot for questions regarding the presentation. The members of EERI@ND introduced themselves to the professional and briefly described their interests and ongoing research, asking also the professional questions about his working experience. This was a rather informal meeting, that typically the chapter was holding over lunch time with the professional when he was visiting the campus. All 12 participants took time to chat with the professional and the event lasted almost an hour. No photos were taken from the event since it was held virtually, but the event was advertised on the flyer of the presentation (see attachment at the end of the present report).

RESULTS, FEEDBACK AND LESSONS LEARNED

The challenges of this year were various and are associated mostly to the pandemic. From the perspective of organizing the virtual lecture, the system that EERI chose, forcing students/participants to enroll in order to have access to the zoom link, made the attendees unwilling to go through all this trouble to follow a seminar. The two step process was unnecessary and the chapter received complaints about the complexity of attending the event. Also it was tough and overwhelming to be explained in a single email that was inviting people to join, along with the associated flyer. Overall, the participation was lower than expected due to the fatigue that everyone is experiencing nowadays with the virtual calls and meetings being the primary form of communication. Interaction with the professional is a little tough to be established virtually, and in this talk there were some audio technical difficulties from the professional's end. The chapter hopes that in person visits will resume the upcoming years, since senior members of the EERI@ND, that attended both formats through the years, believe that the in person interaction cannot be compared to the online virtual seminar. Overall the EERI Friedman Visiting

Professional Program is largely popular at Notre Dame, and during regular times is attended also by undergraduate students that are interested in Earthquake Engineering. This year was challenging but the effort that EERI put to hold this event even virtually is greatly acknowledged by our chapter.

Description of other topics or disciplines the Student Chapter would like to cover in future visits, and related goals.

- Professionals that look into sustainability and connection to earthquake induced damages
- Professionals that are working in insurance companies
- Hold one lecture virtually every year that all members from all universities can attend (complementary to the in person FFVP program)

ACKNOWLEDGEMENTS

The EERI@ND Student Chapter gratefully acknowledges the support of the Friedman Family for sponsoring the travel of Mr. Erik Bishop 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:

- Lecture's flyer that the EERI@ND team prepared and shared with the university via email to advertise the event



UNIVERSITY OF
NOTRE DAME
College of Engineering



The Earthquake Engineering Research Institute (**EERI**) and the Friedman Family Visiting Professionals Program present the 2021 seminar:

Erik Bishop

Senior Structural Project Engineer, Reid Middleton

“Lessons Learned from Earthquake Reconnaissance around the World and Applications as a Practicing Consulting Engineer”

Wednesday April 28th 3:45-4:45pm
Meet and greet with Erik: right after presentation
Register at:

<https://eeri.swoogo.com/2021ffvp>

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