

FRIEDMAN FAMILY VISITING PROFESIONALS PROGRAM



Visit to Johns Hopkins University: January 28, 2021

This report summarizes the visit of **Jay Wilson** from Clackamas County Disaster Management that took place at the Johns Hopkins University on January 28th, 2021.

ITINERARY OR AGENDA

	TIME	ACTIVITY
January 28 th , 2021	12:00 – 1:15 PM EST	Seminar, online
	3:30 – 4:00 PM EST	Meeting with Professor Ben Schafer and Asst. Professor Thomas Gernay
	4:10 – 4:40 PM EST	Meeting with Professor Takeru Igusa and students
January 29 th , 2021	12:00 – 12:25 PM EST	Meeting with Dr. Rachel Sangree
	12:30 – 1:00 PM EST	Meeting with Asst. Professor Kimia Ghobadi
	1:30 – 2:00 PM EST	Meeting with Professor Lori Graham-Brady
	3:30-4:00 PM EST	Meeting with Asst. Professor Stavros Gaitanaros

STUDENT CHAPTER VISIT PLANNING COMMITTEE

LEAD ORGANIZER(S): Xia Yan, President, xyan18@jhu.edu

- Zhidong Zhang, Treasurer, zhidongzhang@jhu.edu

Benjamin W. Schafer, Professor, Department of Civil and Systems Engineering, Johns Hopkins University

Thomas Gernay, Assistant Professor, Department of Civil and Systems Engineering, Johns Hopkins University

VISITING PROFESSIONAL LECTURE OVERVIEW

FRIEDMAN FAMILY VISITING PROFESSIONAL special on-line seminar by Jay Wilson from Clackamas County Disaster Management took place at the Johns Hopkins University on Jan. 28, 2021. At the beginning of his lecture, Jay gave us a brief introduction of the Earthquake Engineering Research Institute (EERI) and his past involvement with EERI. Later, Jay's lecture mainly focused on the resilience policy, programs and practice. He also discussed a number of examples. 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, Jay answered several questions from the audience, for example the role of information and action during the early stage of hazards and what and how to prepare in the early moments. After the seminar, Jay had informal on-line meetings with the faculty members in the Department of Civil and Systems engineering.

Lecture Abstract

As an emergency management practitioner, Jay Wilson has worked his entire 23-year career in the arena of hazard mitigation. During the past decade, he has been an advocate for the pursuit of disaster resilience as a comprehensive strategy for adapting to natural hazards in order to support sustainable community development. Jay's experience with local, regional, state and national resilience programs reflects how technical approaches to reduce risk need to be aligned with a community's social and economic needs. He will discuss a number of examples on the subject of implementing community resilience, which includes strategic planning for seismic upgrades to an urban water system, community engagement on seismic design for a critical bridge replacement, and the social equity challenges of retrofitting unreinforced masonry buildings. He will also draw from the development of the 2013 Oregon Resilience Plan and the 2015 NIST Community Resilience Plan and use examples from his two EERI Learning from Earthquakes reconnaissance trips to Japan in 2011 and to Central Italy in 2017.

Professional Bio

Jay Wilson is the Clackamas County Resilience Coordinator with the Department of Disaster Management and manages the County's hazard mitigation program. Mr. Wilson is the past-Chair (2014-17) of the Oregon Seismic Safety Policy Advisor Commission (OSSPAC) and previously worked for Oregon Emergency Management as the Earthquake, Tsunami, and Volcano Program Coordinator and for five years as a Mitigation Reservist with FEMA Regions IX and X. Jay served as a Resilience Fellow in the National Institute of Standards and Technology during the development of the 2015 Community Resilience Planning Guide. Jay holds an M.A. in Geography and a B.A. in film and lives in Portland, Oregon.

SUPPLEMENTAL ACTIVITIES

Meetings with Faculty members

After the lecture, Jay had informal on-line meetings with Prof. Ben Schafer, Thomas Gernay, Takeru Igusa, Kimia Ghobadi, Lori Graham-Brady, Stavros Gaitanaros, and Dr. Rachel Sangree in the Department of Civil and Systems engineering. They shared their research progress and discussed possible collaboration.

RESULTS, FEEDBACK AND LESSONS LEARNED

The main challenge during the process came from the coordination of Jay's informal meetings with the faculty members. Due to the time difference between the east and west coast, the time slots available for Jay and faculty members were quite limited. But thanks to their support, we set up the meeting time in the end. Both the students and the faculty members in the department showed great interest in the seminar and gained a more comprehensive understanding of resilience. After the meetings, some faculty members showed great interest to follow-up with Jay on the possible collaboration and expressed their appreciation to EERI for this opportunity. For the future visits, the Chapter would like to cover the following topics:

- Seismic design and construction for performance-based design of structures
- Risk mitigation and infrastructure resilience of earthquake hazards
- Multi-hazard assessment and design (earthquake following fire/fire following earthquake etc.)

ACKNOWLEDGEMENTS

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

The Chapter would also like to thank the Program Coordinator Silvana Cobos for the coordination and the Student Leadership Council volunteer Casey Rodgers for her assistance with this visit.

LIST OF ATTACHMENTS

- Item 1, Flier for FRIEDMAN FAMILY VISITING PROFESSIONAL special seminar.
- Item 2, Picture of FRIEDMAN FAMILY VISITING PROFESSIONAL special seminar.
- Item 3, Picture of Prof. Ben Schafer proposing questions during the seminar.

GRADUATE SEMINAR**Resilience Policy, Programs, and Practice****Jay Wilson – Resiliency Coordinator, Clackamas County Disaster Management**

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January 28, 2021

12 – 1:15 PM

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

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Jay Wilson

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supported by a generous endowment from the Friedman Family


Jay Wilson

Resilience Coordinator


Clackamas County Disaster Management

Resilience Policy, Programs, and Practice

January 28, 2021

 **JOHNS HOPKINS**
WHITING SCHOOL
of ENGINEERING

Department of Civil and
Systems Engineering

 A program of the Earthquake Engineering Research Institute

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Ben Schafer

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