

2018-2019 ANNUAL REPORT

University of Illinois at Urbana-Champaign Student Chapter

of the Earthquake Engineering Research Institute



Report Date: June 15, 2019

This report summarizes the membership and activities conducted by the University of Illinois Student Chapter of the Earthquake Engineering Research Institute during the 2018-2019 academic year.

MISSION & GOALS

Earthquake Engineering Research Institute is a student organization that advocates earthquake-resistant high-rise design using accurate computational methods to optimize structural design, and by interdisciplinary collaboration with the Electrical and Mechanical Engineers to perfect our performance-based ideals.

MEMBERSHIP

The University of Illinois at Urbana-Champaign Student Chapter had a total of 120 members in 2018-2019.

OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Xulai Xu	20342	xulaixu2@illinois.edu	Undergraduate student
Vice-President	Kevin Chen	/	kevinc7@illinois.edu	Undergraduate student
Treasurer	Junlin Schwinn Zhang	30267	jzhan165@illinois.edu	Undergraduate student
Secretary	Han Sae Matthew Cho	/	hansaec2@illinois.edu	Undergraduate student
Engineering Council Rep.	Kevin Di	20389	kevindi2@illinois.edu	Undergraduate student
SDC Captain	Shiyao Sun	20361	ssun38@illinois.edu	Undergraduate student
Corporate Outreach #1	Karl Eid	19572	karleid2@illinois.edu	Graduate student
Corporate Outreach #2	Michael Neal	/	mjneal2@illinois.edu	Graduate student
Corporate Outreach #3	Woongchan Bang	30262	wbang3@illinois.edu	Undergraduate student
Social Chair	Robin De Lara	30255	rdelara2@illinois.edu	Undergraduate student
Grad Advisor #1	Michael Neal	/	mjneal2@illinois.edu	Graduate student
Grad Advisor #2	Setare Hajorolasvadi	18883	hajaro12@illinois.edu	Graduate student
Grad Advisor #3	Karl Eid	19572	karleid2@illinois.edu	Graduate student



Figure 1. An Incomplete Board 2019.

Left to right, top to bottom: Yuguang Fu, Nathan Jenni, Robin De Lara, Xulai Xu, Shiyao Sun.

FACULTY & INDUSTRY ADVISORS

Faculty Advisors	Professional Field	Emails
Youssef M A Hashash	Professor in Geotechnical Engineering	hashash@illinois.edu
Bassem O. Andrawes	Professor in Structural Engineering	andrawes@illinois.edu

MEMBERS

An incomplete list of new members is shown below.

Name	EERI Member Number	Email	Student Status
Zachary Cinq-Mars	/	zcc2@illinois.edu	Junior
Harsh Patel	/	hpate28@illinois.edu	Senior
Jake Lewis	/	jacobl4@illinois.edu	Sophomore
Robin	/	rdelara2@illinois.edu	Freshman
Sophia Hoang	/	smhoang2@illinois.edu	Senior
Samudra Mowar	/	smowar2@illinois.edu	Freshman

Gabriel Woszczak	/	gkw3@illinois.edu	Freshman
Matt Grendzinski	/	mjg6@illinois.edu	Sophomore
Cheyenne Vondrak	/	vondrak3@illinois.edu	Freshman
Luke Reeser	/	lreeser2@illinois.edu	Freshman
Bob Sampson	/	rms5@illinois.edu	Freshman
Hongyu Wu	/	hongyuw3@illinois.edu	Freshman
Ben Leshchinsky	/	bel4@illinois.edu	Freshman
Yi Cao	/	yicao5@illinois.edu	Freshman
Woongchan Bang	/	wbang3@illinois.edu	Freshman
Dale Robbennolt	/	robbnnlt@illinois.edu	Freshman
Edward Vakula	/	evakula2@illinois.edu	Freshman
euginio kurniawan	/	euginio2@illinois.edu	Freshman
alex Omiatek	/	alexomiatek@gmail.com	Sophomore
Chang Chen	/	changc3@illinois.edu	Sophomore
Mengxiao Zhong	/	mz14@illinois.edu	Sophomore
Luke S	/	lukes4@illinois.edu	Freshman
Adam Manaster	/	adamem2@illinois.edu	Sophomore
David Szeszko	/	dszesz2@illinois.edu	Sophomore
Jack Knapp	/	jackk2@illinois.edu	Junior
Marley Yan	/	juliy2@illinois.edu	Freshman
Jacky Lin	/	jacky2@illinois.edu	Freshman
Shaadmaan Salam	/	sfsalam2@illinois.edu	Freshman
Bao Anh Ho	/	baoanh2@illinois.edu	Freshman
Robert Wiggins	/	rjw5@illinois.edu	Freshman
Nate Curtis	/	ncurtis3@illinois.edu	Freshman
Sheel Sansare	/	ssansa2@illinois.edu	Freshman
Tohma Kobayashi	/	tohmak2@illinois.edu	Freshman
Jack Ambrosino	/	jackaa2@illinois.edu	Freshman
Steven	/	steven14@illinois.edu	Freshman

BUDGET & FINANCIALS

Sponsor Name/Organization	Contact Person	Amount
CEE Department		
W.J.E. Inc		

CHAPTER ACTIVITIES

Board Meeting Semester 1

The general meeting of the first semester happened on August 29th, 2019. This meeting was attended by all the incumbent board members. Mainly hosted by the incumbent president Xulai Xu in 3310 NCEB, the meeting spelt out the plan and timing for all the expected events in the coming semester. The meeting also served as a tutorial for the new board members of what their jobs entail.

Fall Kickoff Semester 1

The Fall Kickoff event happened on September 5th, 2019. This event was hosted by all the incumbent board members. An advertising event in the crane bay for the new undergraduate students in CEE, this event recruited more than thirty new members (whose information shown on Page 2 & 3) into EERI and the SDC.

W.J.E. Dr. Frankie Lecture

The W.J.E. guest lecture happened on September 12th, 2019. This Lecture was hosted by all the incumbent board members. Mainly delivered by Dr. Thomas Frankie, the corporate advisor of the EERI at UIUC, this event served as an opportunity to enlighten the undergraduate students to the field of seismic engineering, with a few W.J.E. case studies. This event also attracted a lot of new EERI members.

Rock Climbing Social Event

The bi-weekly rock-climbing social events started on October 3rd, 2019. This event was attended by some of the incumbent board members and a few EERI student members. This is an intermittently recurring event.

Ice Skating Social Event

The bi-weekly Ice-Skating events started on November 10th, 2019. This event was attended by some of the incumbent board members and a few EERI student members. This is an intermittently recurring event.

EERI-GESO Joint Event

The EERI-GESO Joint lecture event happened on November 27th, 2019. This event was hosted and attended by some of the incumbent board members. Mainly hosted by Maria Kontari of GESO and the incumbent president Xulai Xu, this EERI-GESO joint event invited the speaker Dr. Hashash, who was the chapter advisor, to deliver an overview and several case studies of structural-soil interaction. This event marked a successful corporation between the two student chapters.

Board Meeting Semester 2

The general meeting of the second semester happened on January 18th, 2019. This meeting was attended by all the incumbent board members. Mainly hosted by the incumbent president Xulai Xu in 3310 NCEB, the meeting spelt out the plan and timing for all the expected events in the coming semester.

Engineering Open House

The 2019 Engineering Open House of UIUC happened on March 8th, 2019. This event was hosted by all the incumbent board members. An advertising event in the crane bay for the all students in the CEE department, this event recruited more new students into EERI. A fortuitous serendipity brought us the UIUC Alumni museum curator, who was eager to procure one of our models as a centerpiece of the museum of UIUC history.

Thornton Tomasetti & Perkins + Will Lecture

The Thornton Tomasetti & Perkins + Will guest lecture happened on April 17th, 2019. This event was hosted and attended by some of the incumbent board members. Mainly delivered by JJ Tobolski and Amanda Ko, this lecture aimed to bring together the Civil engineering department and the architectural department and illustrate for everyone the relationship between an architect and a structural engineer in the industry.

FRIEDMAN FAMILY VISITING PROFESSIONAL or DISTINGUISHED LECTURE VISIT

The Friedman Family Visiting Professional visit day happened on April 22nd, 2019. This Lecture was hosted by all the incumbent board members and all graduate structural engineering students as well as a majority of the department attended.

Dr. Annie Kammerer's presentation focused on the seismic design and risk evaluation of nuclear plants. With around 150 students with different engineering backgrounds attending. The attendee response is enthusiastic, thereby sparking interesting conversations. Mr. Antonio, Dr. Kammerer's husband who agreed to travel with her, had kindly agreed to deliver a presentation himself as well. As a nuclear plant structural design and assessment expert, his talk focused on the reason why the Fukushima Daiichi Nuclear Accident happened.

SEISMIC DESIGN COMPETITION TEAM

The Seismic Design Competition (SDC) is directed and sponsored by EERI. The SDC is a national competition that helps undergraduate civil engineering students to walk through a cycle of performance-based seismic engineering design of high-rise buildings. Each year, participants are given an earthquake ground motion record and a few basic requirements of the high-rise building. In turn, we need to optimize our design so that it is the most aesthetic, economical, safe, and serviceable high-rise design for that ground motion record.

SDC Team Members

A complete list of members is shown below.

Name	EERI Member Number	Email	Role
Shiyao Sun	20361	ssun38@illinois.edu	Captain
Junlin Zhang	30267	jzhan165@illinois.edu	Team member
Woongchan Bang	30262	wbang3@illinois.edu	Team member
Robin De Lara	30255	rdelara2@illinois.edu	Team member
Akash Jain	30257	akashj2@illinois.edu	Team member
Chang Chen	30269	changc3@illinois.edu	Team member
Emma Zhichao Sun	30259	zhichao5@illinois.edu	Team member
Mengxiao Mandy Zhong	30258	mz14@illinois.edu	Team member
Meijun Liu	30263	mliu73@illinois.edu	Team member
Neel Naiknavare	/	Naiknav2@illinois.edu	Team member



Figure 2. An Incomplete Seismic Design Competition team members, 2019

SDC Team Financial Sponsors

A list of financial sponsors for the SDC team.

Name	Email	Amount	Note
W.J.E. Inc			

ELECTION & ELECTION RESULTS

An election for officers for the 2019-2020 academic year was held in May 2019. The table below shows the new officers appointed to the Chapter board who will take office on August 2019.

Role	Name	EERI Member Number	Email	Student Status
President	Kevin Chen	/	kevinc7@illinois.edu	Undergraduate student
Treasurer	Robin De Lara	30255	rdelara2@illinois.edu	Undergraduate student
Secretary	Chang Chen	30269	changc3@illinois.edu	Undergraduate student
Engineering Council Rep.	Kevin Di	20389	kevindi2@illinois.edu	Undergraduate student
SDC Captain	Emma Zhichao Sun	30259	zhichao5@illinois.edu	Undergraduate student
Corporate Outreach #1	Karl Eid	19572	karleid2@illinois.edu	Graduate student
Corporate Outreach #2	Woongchan Bang	30262	wbang3@illinois.edu	Undergraduate student
Corporate Outreach #3	Nathan Jenni	/	njenni2@illinois.edu	Undergraduate student
Graduate Advisor	Karl Eid	19572	karleid2@illinois.edu	Graduate student

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:

- Item 1, i.e. flier for Guest Speaker September 12th, 2018



- Item 2, i.e. flier for EERI-GESO Joint Guest Speaker April 17th, 2019

A flier for a joint guest speaker event between EERI and GESO. The main title is 'Collaborating with Architects as a Young Engineer' in blue. Below it, in red, is 'with representatives from world class structural and architectural firms:'. The names 'Thornton PERKINS Tomasetti + WILL' are listed in green and red. The event is on 'Wednesday April 17, 2019 @ 6pm' at 'Newmark Lab 3310'. A paragraph of text describes the speakers, Amanda Ko and Jerome Tobolski, and the topic of collaboration. On the right, a blue sidebar contains the location 'NEWMARK LAB ROOM 3310 (YEH STUDENT CENTER)', 'PIZZA WILL BE PROVIDED', an email for questions 'EMAIL US WITH ANY QUESTIONS: SEGSO.UIC@GMAIL.COM', and a Facebook link 'LEARN ABOUT COLLABORATION BETWEEN ARCHITECTS AND ENGINEERS! CONNECT WITH US ON FACEBOOK!'. Logos for UIC, SEGSO, SEI ASCE, and EERI are at the bottom.