

2016-2017 ANNUAL REPORT



Purdue University Student Chapter of the Earthquake Engineering Research Institute

Report Date: May 31st, 2017

This report summarizes the membership and activities conducted by the Purdue University Student Chapter of the Earthquake Engineering Research Institute during the 2015-2016 academic year.

MISSION & GOALS

The purpose of the EERI Purdue Student Chapter shall be the dissemination of knowledge of the theory and practice of all phased of earthquake engineering. Furthermore, this chapter will promote the professional development of the students involved.

MEMBERSHIP

The Purdue University Student Chapter had a total of 13 members in 2016-2017.

OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Ryan Welchel	18197	rwhelch@purdue.edu	Graduate student
Vice President	Will Pollalis	18265	wpollali@purdue.edu	Graduate student
Secretary	Aman Anand	18929	anand17@purdue.edu	Undergraduate student
Treasurer	Eun Hwang	18936	hwang79@purdue.edu	Undergraduate student

Board meetings were held approximately every month.

{No photos of the officers are available}

FACULTY & INDUSTRY ADVISORS

Chapter Advisor: Dr. Santiago Pujol

MEMBERS

A complete list of members is shown below.

Name	Email	Member #	Undergrad/Grad
Aman Anand	anand17@purdue.edu	18929	Undergrad
Li-Hui Cheng	cheng231@purdue.edu	17403	Grad
Rachel Chicchi	rchicchi@purdue.edu	17186	Grad

Eun Hwang	hwang79@purdue.edu	18936	Undergrad
Gordon Fernley Jarrold	gjarrold@purdue.edu	18938	Undergrad
Lucas Laughery	llaugher@purdue.edu	16595	Grad
Jonathan Monical	jmonica@purdue.edu	18935	Grad
Quang Nguyen	nguyenq@purdue.edu	14153	Grad
William Pollalis	wpollali@purdue.edu	18265	Grad
Aishwarya Puranam	apuranam@purdue.edu	17436	Grad
Prateek Shah	shah151@purdue.edu	18238	Grad
Ryan Whelchel	rwhelch@purdue.edu	18197	Grad
Yunlan Zhang	yunlan.zhang.1@purdue.edu	17077	Grad

BUDGET & FINANCIALS

Briefly describe the chapter budget and financials, with text description or any tables and charts as needed.

The complete summary of the chapter's budget is attached. As a summary, the chapter started with \$2,091.23 and ended the year with \$1,643.29.

CHAPTER ACTIVITIES

Due to poor record keeping our part, a summary statement of each meeting held cannot be provided. In place of the required detailed meeting summary, a summary of the year long chapter project will be provided.

In August 2016, our advisor presented the chapter with a problem. A 14-story building in Taiwan was observed to have a failed corner column. The building's damage was surveyed and documented by a team from Purdue on a reconnaissance mission to Taiwan following the 2016 earthquake. Our chapter was presented with photos of the column that failed and the plans of the building complex. We were asked as a chapter, what was the cause of failure?

Throughout the year, our meetings centered on this project. Our first meetings compared SAP2000 models of the building and the resulting period. We discussed modeling techniques and came to conclusions on what the period of the building was. The following meetings were geared towards the discussion of failure scenarios that were developed by one of our driven chapter members. At the end of the spring semester, a paper was drafted by one of our chapter members and our chapter advisor.

SEISMIC DESIGN COMPETITION TEAM

The Purdue SDC Team competed in the 2017 SDC in Portland, OR. The constructed tower outlasted all three ground motions with little damage. The team placed 15th out of 33 teams.

SDC Team Members

A list of the members is not available. The relationship between the SDC Team and the Purdue EERI Chapter is rather unique. Through a process that is unknown to the members of our chapter, the SDC Team has been absorbed by the Purdue Student Chapter of ASCE. As such, the record keeping of the team's activities has been taken up by the ASCE Student Chapter.

SDC Team Financial Sponsors

A list of financial sponsors for the SDC team.

The Purdue SDC Team is supported by the Purdue ASCE Chapter. As such, the financial records are unknown to the Purdue EERI Chapter.

Team results and lessons learned

Describe the results of your SDC Team. How did your structure perform in the competition? Include any photos. Describe lessons learned about the processes and areas for future improvement. Note this report will be published live on the EERI website, so avoid any mention of ideas for future designs that could compromise the competitiveness of your team in coming years.

ELECTION & ELECTION RESULTS

An election for officers for the 2016-2017 academic year was held on September 2016. The table below shows the new officers appointed to the Chapter board who will take office on September 2016.

Role	Name	EERI Member Number	Email	Student Status
President	Ryan Whelchel	18197	rwhelch@purdue.edu	Graduate student
Vice President	Will Pollalis	18265	wpollali@purdue.edu	Graduate student
Secretary	Aman Anand	18929	anand17@purdue.edu	Undergraduate student
Treasurer	Eun Hwang	18936	hwang79@purdue.edu	Undergraduate 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:

- Budget Summary

Statement Beginning:  Statement Ending: 



 of 1
 







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 Krach Leadership Center, (KRCH) RM 365 1198 Third Street
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Account Statement Individual

From 6/1/2016 thru 5/31/2017

EARTHQUAKE ENGINEERING RESEARCH **SOA #01865** **Beginning Balance: \$2,091.23**

Payments

Date	Check #	Ref. Code	Ref. #	Amount	Cleared	Expense Code	Payee
09/12/16	264682	Boiler Junction	9/7/16	16.15	01/04/17	Callout Expense	Aman Anand
11/02/16	267030	Freshii	10/21/16	44.11	01/04/17	Food and Drink Expense	Alana Wilbee
11/07/16	267299	Food		123.86	01/04/17	Food and Drink Expense	Aman Anand
11/07/16	267298	Food & Cups	etc	151.28	01/04/17	Food and Drink Expense	Aman Anand
12/07/16	268945	Dominos	12/4/16	46.00	03/03/17	Food and Drink Expense	Alan Kanybek
05/02/17	275661	Domino's	1/31/17	98.88		Food and Drink Expense	William Pollalis
				\$480.28			Total Payments: \$480.28

Credits

Date	Document	Ref. Code	Ref. #	Amount	Cleared	Income/Expense Code	
07/15/16	0716254	Gan, Wei Phang	ck #252851	9.72	08/19/16	Void Check Previous Year	
				\$9.72			Total Credits: \$9.72

Transfers Out

Date	Document	Ref. Code	Ref. #	Amount	Cleared	Expense Code	
06/30/16	9273	\$7.23	1.50	0.11	07/25/16	Financial Service Fee Expense	
				\$0.11			Total Transfers Out: \$0.11

Transfers In

Date	Document	Ref. Code	Ref. #	Amount	Cleared	Income Code	
06/30/16	9272	\$2,176.29	0.0003537	7.23	07/25/16	Checking Interest	
12/31/16	10476	\$1,912.51	0.0003042	15.50	02/07/17	Checking Interest	
				\$22.73			Total Transfers In: \$22.73

Ending Balance: \$1,643.29