

2018-2019 ANNUAL REPORT

Virginia Tech Student Chapter of the Earthquake Engineering Research Institute



Report Date: June 21, 2019

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

MISSION & GOALS

The mission of our student chapter is to spread awareness of the risk that Earthquakes and other natural disasters have in our built environment. We do this by holding guest lectures from speakers in the field and encourage students to learn about the implications of natural hazards during our monthly meetings.

MEMBERSHIP

The Virginia Tech Student Chapter had a total of 28 members in 2018-2019.

OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Raul Avellaneda	19094	rear93@v.edu	Graduate Student
Treasurer	Ryan Stevens	19022	Ryans14@vt.edu	Graduate Student
Outreach Chair	Edward Gil	19575	edwardmg@vt.edu	Graduate Student
Vice President	Mohsen Saker	30115	mohsenzaker@vt.edu	PhD Student

Board meetings were held every month on the second Wednesday of the month

FACULTY & INDUSTRY ADVISORS

Our advisor was Dr. Adrian Rodriguez-Marek (Adrianrm@vt.edu). He is an Associate Professor in the Civil & Environmental Engineering Department at Virginia Tech.

MEMBERS

A complete list of members is shown below.

Name	EERI Member Number	Email	Student Status
Raul Avellaneda	19094	rear93@v.edu	Graduate Student
Ryan Stevens	19022	Ryans14@vt.edu	Graduate Student
Edward Gil	19575	edwardmg@vt.edu	Graduate Student
Mohsen Saker	30115	mohsenzaker@vt.edu	PhD Student
Cara Dietrich	29918	cad12@vt.edu	Undergraduate Student
Rosie Dixon	19695	rosie27@vt.edu	Undergraduate Student
Frankie Urcia	29880	fmu25@vt.edu	Undergraduate Student

Jiahong Pan (Jacky)	19726	jiahop1@vt.edu	Undergraduate Student
Luis Hernandez	29956	luish@vt.edu	Undergraduate Student
Kyle Bryant	29957	bkyle3@vt.edu	Undergraduate Student
Bach Tran	29969	gtbach97@vt.edu	Undergraduate Student
Alan Hernandez	29972	alanh16@vt.edu	Undergraduate Student
Katherine Kowaluk	19608	katek97@vt.edu	Undergraduate Student
Jayna Silva	19607	silvaj@vt.edu	Undergraduate Student
Anye Wang	30010	wanye8@vt.edu	Undergraduate Student
Ben Leonard	19681	benl7@vt.edu	Undergraduate Student
Donald DeMartino	30047	dond8@vt.edu	Undergraduate Student
Chris Jackson	30046	chrisj97@vt.edu	Undergraduate Student
Alex Komada	30048	alexk329@vt.edu	Undergraduate Student
Zixuan Geng	30050	gzixuan6@vt.edu	Undergraduate Student
Katharina Lehmann	30051	klehmann@vt.edu	Undergraduate Student
Howie Yohannes	30052	howie1@vt.edu	Undergraduate Student
Patricia Asiatico	30053	ceskasia@vt.edu	Undergraduate Student
Gemma Dey	30054	gemmad88@vt.edu	Undergraduate Student
Chiravi Patel	30055	chiravi9@vt.edu	Undergraduate Student
Courtney Jones	30057	cjones98@vt.edu	Undergraduate Student
Ian McManus	30058	ianm61@vt.edu	Undergraduate Student
Mustafa Shafique	30059	mustafas@vt.edu	Undergraduate Student

BUDGET & FINANCIALS

The table below summarized the student chapter's expenses. Most of the items are related to the seismic design competition.

Student Chapter Spending	
Item	Amount
Materials	\$200.00
T-Shirts	\$350.00
Shipping	\$565.00
Registration	\$1,305.00
Travel	\$3,200.00
Hotels	\$1,200.00
Misc.	\$150.00

Sponsor Name/Organization	Contact Person	Amount
Timmons Group	Gary Johnson	\$200.00
Structural Focus	David Cocke	\$500.00
Langan	Scott Rowland	\$500.00
ECS Mid Atlantic	Karl Higgins	\$750.00
Dietrich Consulting	Dwight Dietrich	\$500.00
WDP & Associates	Cole Jaconski	\$200.00

CHAPTER ACTIVITIES

The student chapter held a meeting every second Wednesday of every month at 5:30 PM. The attendance was of an average of 10 students, including the officers. During this meeting we discussed the deadlines for things to be done and tried to provide each other with suggestions and support. We also used this time to plan for the guest lectures.

REGULAR CHAPTER MEETINGS

The student chapter usually starts the meeting by discussing the important issues from the previous meeting. Each officer gives a status update on what they have been working on and ask for help if they need it. We then open it up for general questions and reminders.

FRIEDMAN FAMILY VISITING PROFESSIONAL or DISTINGUISHED LECTURE VISIT

Dr. Ramin Golesorkhi was the Friedman Family Visiting Professional assigned to our chapter. His visit was well received by all of our members in attendance and presented a great opportunity for students to interact with someone in industry.

Interdisciplinary Research Day

The student chapter is currently trying to plan a “multi-hazard research day”. This will be an event so that students from any department who have research in a type of natural disaster can present their research in a way that students from other departments may understand. This will be occurring sometime this Fall.

SEISMIC DESIGN COMPETITION TEAM

The Virginia Tech Seismic Design Team participated in the EERI Seismic Design Competition for the third time this year. The team meets every week, often several times a week, in an effort to improve their performance in the competition.

SDC Team Members

A complete list of members is shown below.

Name	EERI Member Number	Email	Role
Cara Dietrich	29918	cad12@vt.edu	Co-President
Rosie Dixon	19695	rosie27@vt.edu	Co-President
Frankie Urcia	29880	fmu25@vt.edu	Co-President
Jiahong Pan (Jacky)	19726	jiahop1@vt.edu	Co-President
Luis Hernandez	29956	luish@vt.edu	Member
Kyle Bryant	29957	bkyle3@vt.edu	Member
Bach Tran	29969	gtbach97@vt.edu	Member
Alan Hernandez	29972	alanh16@vt.edu	Member
Katherine Kowaluk	19608	katek97@vt.edu	Member
Jayna Silva	19607	silvaj@vt.edu	Member
Anye Wang	30010	wanye8@vt.edu	Member
Ben Leonard	19681	benl7@vt.edu	Member
Donald DeMartino	30047	dond8@vt.edu	Member
Chris Jackson	30046	chrisj97@vt.edu	Member

Alex Komada	30048	alexk329@vt.edu	Member
Zixuan Geng	30050	gzixuan6@vt.edu	Member
Katharina Lehmann	30051	klehmann@vt.edu	Member
Howie Yohannes	30052	howie1@vt.edu	Member
Patricia Asiatico	30053	ceskasia@vt.edu	Member
Gemma Dey	30054	gemmad88@vt.edu	Member
Chiravi Patel	30055	chiravi9@vt.edu	Member
Courtney Jones	30057	cjones98@vt.edu	Member
Ian McManus	30058	ianm61@vt.edu	Member
Mustafa Shafique	30059	mustafas@vt.edu	Member

SDC Team Financial Sponsors

The expenses and sponsors for the seismic design team are included as part of the student chapter's finances.

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

In the last meeting of the semester it was decided that the student board would remain the same for the next school year.