

# 2015-2016 ANNUAL REPORT

## California State University, Sacramento Student Chapter

### of the Earthquake Engineering Research

Report Date: July 30, 2016



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

#### MISSION & GOALS

The primary purposes of EERI at California State University, Sacramento are the following:

- to educate students about earthquake hazards through guest speakers and access to resources maintained by the student chapter.
- to provide an opportunity for students interested in earthquake hazard reduction to meet and exchange ideas.
- to participate in the undergraduate seismic design competitions.

#### MEMBERSHIP

The California State University, Sacramento Student Chapter had a total of 54 members in 2015-2016.

#### OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	William Cope	18209	wcope123@gmail.com	Undergraduate student
Vice President	Jeremy Nottnagel	18221	nottnagel@gmail.com	Undergraduate student
Treasurer	Kylie Ahlstrand	18183	Kylie.Ahlstrand@gmail.com	Undergraduate student
Treasurer	George Brown	18192	g4brownbusiness@gmail.com	Undergraduate student
Secretary	Christina DeOllos	18208	ChristinaDeOllos@gmail.com	Undergraduate student
Secretary	Lorenzo Hernandez	18218	Hernandez287@gmail.com	Undergraduate student

Board meetings were held an hour before general meetings or as needed.

#### FACULTY & INDUSTRY ADVISORS

Dr. Julie Fogarty, Faculty Advisor

fogarty@csus.edu

## MEMBERS

A complete list of members is shown below.

<b>Name</b>	<b>EERI Member Number</b>	<b>Email</b>	<b>Student Status</b>
Christina DeOllos	18208	ChristinaDeOllos@gmail.com	Undergraduate student
Kylie Ahlstrand	18183	Kylie.Ahlstrand@gmail.com	Undergraduate student
William Cope	18209	wcope123@gmail.com	Undergraduate student
George Brown	18192	g4brownbusiness@gmail.com	Undergraduate student
Lorenzo Hernandez	18218	hernandez2087@hotmail.com	Undergraduate student
Jeremy Nottnagel	18221	nottnagel@gmail.com	Undergraduate student
Michael Villaflor		pvillaflor@csus.edu	Undergraduate student
Ashley Arreola		asharreola@gmail.com	Undergraduate student
Devin Fielding		devinfielding3@gmail.com	Undergraduate student
Christian Naegele		Christian.Naegele@gmail.com	Undergraduate student
Henry Liu		henryliu916@gmail.com	Undergraduate student
Alex Acosta		amashots@yahoo.com	Undergraduate student
Jasraj Singh		jasrajsingh20@gmail.com	Undergraduate student
Darrel Vega		darrelv@gmail.com	Undergraduate student
Omar Rasai		Omar.Rasai92@gmail.com	Undergraduate student
Mohamed Allahabi		MohamedAllahabi@gmail.com	Undergraduate student
Karam Alani		karam.alani@yahoo.com	Undergraduate student
Lucas Bailey		lucasbclariant@gmail.com	Undergraduate student
Derek Finnegan		finnegan@csus.edu	Undergraduate student
Brianna Burks		bburks55@gmail.com	Undergraduate student
Phillips Tuyen		Phillipstuyen@csus.edu	Undergraduate student
Kyle Lundblom	18707	klundblom@yahoo.com	Undergraduate student
Anthony Jones		princejones86@yahoo.com	Undergraduate student
Gregory Venture		aceventura01@gmail.com	Undergraduate student
Matthew Gonzales		mattgonzales77@gmail.com	Graduate student

Roberto Macias		roberto.m0912@comcast.net	Undergraduate student
Lorie Alcantar		alcantar_lorie@yahoo.com	Undergraduate student
Jonathan Mougharbel		Jonathanmougharb@gmail.com	Undergraduate student
Arturo Castillo	18800	Alejandrocastil@csus.edu	Undergraduate student
Gabriela Lopez		lorenalopez3@csus.edu	Undergraduate student
Martin Mercado		mercadomartin70@gmail.com	Undergraduate student
Andres Guillen		andres.guillen1992@gmail.com	Undergraduate student
Daniel Melnik	18190	danielmelnik@csus.edu	Undergraduate student
Daniel Skupniewicz		skupniewicz@csus.edu	Undergraduate student
Tamar Dawson	18195	tamar.dawson@gmail.com	Undergraduate student
Ivan Rodriguez	18373	yorodriguez.mar@gmail.com	Undergraduate student
Angelica Zarate		zarate.angelica120@gmail.com	Undergraduate student
Kenny Nguyen		knguyen912@gmail.com	Undergraduate student
Sobia Arshad		sobiarshad@csus.edu	Undergraduate student
Cruz Coronado		Krusytha@gmail.com	Undergraduate student
Anna Gutierrez		a.gutierrez.santacruz@gmail.com	Undergraduate student
Susana Aguirre		aguirre.susana12@gmail.com	Undergraduate student
Tashly Covington		tashly_23@yahoo.com	Undergraduate student
Zeshan Iqbal		knguyen912@gmail.com	Undergraduate student
Julian Banez		jbanez772@gmail.com	Undergraduate student
Yanjin Batbayar		batbayar@csus.edu	Undergraduate student
Mariela Morales		mariela_mrls@yahoo.com	Undergraduate student
Zenon Gonzales		zenongonzalez1@gmail.com	Undergraduate student
Edward Worden		edworden26@gmail.com	Undergraduate student
Khalid Kanaan		Khaleed_m_Kanaan@hotmail.com	Undergraduate student
Nancy Ortigoza		nanayortigoza04@gmail.com	Undergraduate student
Vicky Vidales		vickyvidales@gmail.com	Undergraduate student
David Zermeno	18813	davidzermeno.277@gmail.com	Undergraduate student
Jorge Galan		jorgegalan27@gmail.com	Undergraduate student

## BUDGET & FINANCIALS

Our clubs financial support came through Sacramento State. We received both Doc Funding and IRA funding.

Our Financial budget for 2015-2016 is shown below:

**EERI CSUS Student Chapter Budget  
2015-2016**

**Travel Expenses**

Hotel	150
Travel	60
	<b>210</b>

**Supplies Budget**

Wood	1200
Glue	200
Tools	100
	<b>1500</b>

**Organizational Expenses**

Marketing	50
Team T-Shirt	330
	<b>380</b>

**Total Expenses: 2090**

List any financial sponsors of your chapter.

<b>Sponsor Name/Organization</b>	<b>Contact Person</b>	<b>Amount</b>
California State University, Sacramento DOC Funding	Associated Student, inc.	1800
California State University, Sacramento IRA Funding	IRA Advisory Committee	290

## CHAPTER ACTIVITIES

### REGULAR CHAPTER MEETINGS

Every Wednesday night at 6 pm, we held a general meeting to work on our SDC project. We also held meetings on Saturdays as needed to help complete any needed work for our structure.

On October 15<sup>th</sup>, 2015 at 6:30 pm, we held a general information meeting informing student of our new established club on campus. This meeting included information about how to sign up for EERI and information about what the club is about.

On November 19, 2015 at 6:30 pm, we had Dr. Zia Zafir come and speak about the professional field. There were approximately 20 people attended this meeting.

## FRIEDMAN FAMILY VISITING PROFESSIONAL or DISTINGUISHED LECTURE VISIT

Our Friedman Family Visiting Professional was Janiele Maffei. Maffei's presentation began with her story on how she became a professional, and followed with the service that she chose to be a part of now as part of the California Earthquake Authority. The goals of this lecture was to familiarize the EERI at Sacramento State club about what the California Earthquake Authority does and how they go about doing it. Ms. Maffei's lecture consisted of her involvement in the California Mitigation Program, showing us where and how they have helped families prepare their homes to be earthquake safe. Another part of the lecture focused on the recent Napa earthquake and her participation there almost immediately after the quake. She answered many questions from us following her presentation.

## SEISMIC DESIGN COMPETITION TEAM

Since our club was founded this year, this was our first Seismic Design Competition. As a club, we struggled with our time management because we were not aware how long the process would take us. We also hit many unforeseen bumps in the road because we had no idea what to expect. Although we had many struggles, our team stayed strong, and worked together to successfully attend the competition. Overall, we placed 28<sup>th</sup>, and expect to perform even better next year.

## SDC Team Members

A complete list of members is shown below.

Name	EERI Member Number	Email	Role
Ivan Rodriguez		yorodriguez.mar@gmail.com	Project Manager and Calculation Team Leader
Arturo Castillo		Alejandrocastil@csus.edu	Design Team Leader
Jorge Galan		jorgegalan27@gmail.com	Construction Team Leader
Yanjin Batbayar		batbayar@csus.edu	Poster Team Leader
Tashly Covington		tashly_23@yahoo.com	T-Shirt Design Team Leader
Sobia Arshad		sobiarshad@csus.edu	Team Member
Ashley Arreola		asharreola@gmail.com	Team Member
Kenny Nuygen		knguyen912@gmail.com	Team Member
Zeashan Iqbal		knguyen912@gmail.com	Team Member
Nancy Ortigoza		nancyortigoza04@gmail.com	Team Member
Kylie Ahlstrand	18183	Kylie.Ahlstrand@gmail.com	Team Member
David Zermeno		davidzermeno.277@gmail.com	Team Member
Jasraj Singh		jasrajsingh20@gmail.com	Team Member
Kyle Lundblom		klundblom@yahoo.com	Team Member
Angelica Zarate		Zarate.angelica1201@gmail.com	Team Member
Martin Mercado		mercadomartin70@gmail.com	Team Member

## SDC Team Financial Sponsors

A list of financial sponsors for the SDC team.

Name	Email	Amount	Note
California State University, Sacramento DOC Funding	(No email provided Website: www.asi.csus.edu)	1800	For supplies and travel expenses
California State University, Sacramento IRA Funding	No email provided (phone: 916-278-6312)	290	For travel expenses

### Team results and lessons learned

Overall, our team placed 28th in the competition. Being the first year we attended as a club, we hit many bumps in the road. Time management was the biggest challenge that we faced. Construction took much longer than we estimated, and was also more difficult than we first imagined. We also had issues with consistency in the construction process. Time was limited for us in the end, so many of the floors were constructed quickly.

During the shake test, our structure collapsed. The breaking point was near the bottom of the structure. In order to improve next year, our structure will need better support at the base.

As a team, we learned a lot, such as time management skills, how to construct more efficiently, and ways to help improve our presentation. We hope to use this knowledge to improve of structure for next year's competition.





## ELECTION & ELECTION RESULTS

An election for officers for the 2016-2017 academic year was held in May 2016. The table below shows the new officers appointed to the Chapter board who will take office on August 2015.

Role	Name	EERI Member Number	Email	Student Status
President	Tashly Covington		tashly_23@yahoo.com	Undergraduate student
Vice President	Angelica Zarate		zarate.angelica120@gmail.com	Undergraduate student
Treasurer	Yanjin Batbayar		batbayar@csus.edu	Undergraduate student
Secretary	Jasraj Singh		jasrajsingh20@gmail.com	Undergraduate student

## FEEDBACK FOR EERI

The Seismic Design Competition provided a great experience for our members, and we were very grateful for the opportunity to attend. Last year

## LIST OF ATTACHMENTS

A list of the attachments is included below:

- Information Meeting Flyer





Earthquake Engineering Research Institute  
California State University, Sacramento  
Student Chapter

# INFORMATIONAL MEETING

**Thursday, September 10, 2015**

**6:30 PM**

**Round Table Pizza (University Union)**

## **What is EERI?**

The Earthquake Engineering Research Institute is a national, nonprofit, technical society of engineers, geoscientists, architects, planners, public officials, and social scientists. EERI members include researchers, practicing professionals, educators, government officials, and building code regulators.

## **Why should I join EERI?**

- 1) Networking opportunities for future jobs, internships, and a graduate fellowship
- 2) Opportunity for hands on application of course material through the Undergraduate Seismic Design Competition
- 3) Access to the latest professional developments and research related to seismic topics
- 4) Opportunity for leadership positions in student organization

## **Where can I get more information?**

Visit [eeri.org](http://eeri.org) or contact Prof. Fogarty at [fogarty@csus.edu](mailto:fogarty@csus.edu)