

2018-2019 ANNUAL REPORT

Rice University Student Chapter

Earthquake Engineering Research Institute

Report Date: June 21, 2019



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

MISSION & GOALS

As Rice University is located in Houston, earthquakes may not have pre-eminence in our minds like hurricanes do, but we are the United States and part of a global community. Natural disasters of all kinds need addressing by our burgeoning engineers and researchers. Thus, we in the EERI-RU organization aspire to bring awareness to our community and provide outreach to young students in high-schools and middle schools.

MEMBERSHIP

The Rice University Student Chapter had a total of 7 members in 2018-2019.

OFFICERS

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
President	Hesam Talebiyan	19770	ht20@rice.edu	Graduate student
Vice President	Carl Bernier	17124	cb36@rice.edu	Graduate student
Treasurer	Jayant Patil		jayant.patil@rice.edu	Graduate student
Secretary	Roger Paredes	17665	rlp4@rice.edu	Graduate student
Event Coordinator	Ao Du		ad62@rice.edu	Graduate student
Webmaster	Catalina Gonzalez		Catalina.d.Gonzalez.Duenas@rice.edu	Graduate student

FACULTY & INDUSTRY ADVISORS

Advisor type	Name	Institution	Affiliation	Email
Faculty	Dr. Jamie Padgett	Rice University	Associate Professor	jamie.padgett@rice.edu
Industry	Mr. Paul Summers	Simpson Gumpertz & Heger	Senior Principal	PBSummers@sgh.com

MEMBERS

A complete list of members is shown below.

Name	EERI Member Number	Email	Student Status
Carl Bernier	17124	cb36@rice.edu	Graduate student
Jaden Gallegos	19356	jag19@rice.edu	Undergraduate student
Majid Ebad-Sichani	17902	me15@rice.edu	Graduate student
Monica Julian	19354	mj27@rice.edu	Undergraduate student
Clayton Malcomb	18603	cdm7@rice.edu	Undergraduate student
Roger Paredes	17665	rlp4@rice.edu	Graduate student
Hesam Talebiyan	19770	ds44@rice.edu	Graduate student

BUDGET & FINANCIALS

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

List any financial sponsors of your chapter.

Sponsor Name/Organization	Contact Person	Amount
Rice University – Civil Engineering Department	Jayant Patil (Treasurer of club)	\$250
Rice University – Civil Engineering Department	Jayant Patil (Treasurer of club)	\$100

CHAPTER ACTIVITIES

Describe chapter meeting activities including, at a minimum, a summary statement of the meetings held during academic year, giving the date of each, the attendance, the principal meeting activity, the invited speaker (if there is one) and his or her subject, and any other pertinent information about the meeting activity. Consider including images for each activity in this section, and consider adding any fliers, documents or other supporting information in an appendix as needed. The section headers below are intended to be a guide to help you organize information about your activities, however, feel free to edit them as necessary to best reflect your chapter's activities.

REGULAR CHAPTER MEETINGS

EERI-RU Info Session (September 6, 2018)
This was an info session for EERI –RU student chapter members and prospective members. At the event we discussed the agenda for this year, introduced the new office bearers. The event was also used as a platform to get new suggestions and ideas for this year's activities.
EERI-RU Seminar Session (August 31, 2018)
Dean Reginald DesRoches started his nation-wide tour as EERI 2018 Distinguished Lecturer at Rice (Figure 1 below). His talk was about the promise of smart materials in earthquake resistant design. The lecture was well received by the faculty and graduate student of civil and environmental engineering and other departments.
EERI-RU Seminar Session (October 12, 2018)
Dr. Maria Koliou, assistant professor at Zachry department of civil engineering at Texas A&M University, gave a lecture about moving from structural resilience to community resilience. Before this venue, she met graduate student to talk about the EERI YMC program. Both events were well attended by graduate student from civil engineering at Rice (Figure 2 below).

EERI-RU Seminar Session (March 9, 201)

Jay Wilson is the Clackamas County Resilience Coordinator with the Department of Disaster Management and EERI Friedman Family visiting lecturer. His lecture was held as a part of the civil engineering department seminar series, but it was a special one. While other talks focus on engineering and scientific topics, Jay's lecture concerns the impact of scientific research on people, how we can communicate to people and policymakers about our scientific achievements, and in turn, how to expand the impact of the scientific community on society. The talk was received well by the students and faculty members, and engaging discussions followed the lecture (Figure 3 below).

SEISMIC DESIGN COMPETITION TEAM

Seismic design competition (SDC) is one of the major activities that the undergraduate students from the department of Civil and Environmental Engineering participate in. The preparations for SDC begin early fall with recruitment of new students to the team. Even before the problem statement is released the students start learning finite element packages such as SAP2000, which are used to model the building. As soon as the problem statement is released, the team starts working on the conceptual design and the proposal. Following the initial stages of conceptual design, the team works on finalizing the design and starts to build the physical model for the competition.

SDC Team Members

Rice University did not attend SDC.

ELECTION & ELECTION RESULTS

An election for officers for the 2019-2020 academic year was held unofficially among the current officers. The election will be held in August 2019 to confirm the officers officially. 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	Jayant Patil		jayant.patil@rice.edu	Graduate student
Vice President	Hesam Talebiyan	19770	ht20@rice.edu	Graduate student
Treasurer	Debasish Jana		debasish.Jana@rice.edu	Graduate student
Secretary	Catalina Gonzalez		Catalina.d.Gonzalez.Duenas@rice.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: Pictures from various events



Figure 1: EERI-RU Info Session by Dean Reginald DesRoches (September 6, 2018)



Figure 2: EERI-RU Seminar Session by Dr. Maria Koliou (October 12, 2018)



Figure 3: EERI-RU Seminar Session by Jay Wilson (March 9, 201)