

2015-2016 ANNUAL REPORT

University of Wisconsin-Madison Student Chapter of the Earthquake Engineering Research Institute

Report Date: MAY 1, 2016



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

MISSION & GOALS

- Increasing awareness within the University of Wisconsin-Madison community about earthquake risk and the role engineers, scientists, and other members of the community may play to mitigate the impact of earthquakes on society.
- Educating University of Wisconsin-Madison students and faculty about recent events and developments in the field of Earthquake Engineering.
- Fostering interaction between University of Wisconsin-Madison students interested in Earthquake Engineering and students, faculty and professionals with similar interests from other universities and institutions within and outside the USA.

MEMBERSHIP

The University of Wisconsin Madison Student Chapter has had a total of 8 members since its creation in January 2016.

OFFICERS

The Board consisted of the following members:

Title	Name	EERI Member Number	Email	Student Status
President	Daniela Rincon	18458	drincon@wisc.edu	Graduate student
Vice President	Le Pham	18467	le.pham@wisc.edu	Graduate student
Secretary	Angel Perez- Irizarry	13663	angel.perez@wisc.edu	Graduate student
Treasurer	Peter Weatherer	18466	weatherer@wisc.edu	Graduate student



Daniela Rincon

President



Le Pham

Vice President



Angel Perez-Irizarry

Secretary



Peter Weatherer

Treasurer

FACULTY & INDUSTRY ADVISORS

Gustavo Parra- Montesinos

Email: gustavo.parra@wisc.edu

MEMBERS

A complete list of members is shown below.

Title	Name	EERI Member Number	Email	Student Status
President	Daniela Rincon	18458	drincon@wisc.edu	Graduate Student
Vice President	Le Pham	18467	le.pham@wisc.edu	Graduate Student
Secretary	Angel Perez-Irizarry	13663	angel.perez@wisc.edu	Graduate Student
Treasurer	Peter Weatherer	18466	weatherer@wisc.edu	Graduate Student
Member	Jacob Darlington	18463	jacob.darlington@wisc.edu	Graduate Student
Member	Hans Xiao	18459	hansxiao@wisc.edu	Graduate Student
Member	Shuo Wang	18469	swang459@wisc.edu	Graduate Student
Member	Emre Kizilarlan	18471	kizilarlan@wisc.edu	Graduate Student

BUDGET & FINANCIALS

As the student chapter was recently created, we currently are in the process of setting up university accounts designated for funding chapter activities and events. In the upcoming year we will be looking to receive donations and secure sponsorships for the Chapter. Specifics are still to be determined.

CHAPTER ACTIVITIES

FIRST CHAPTER MEETING

The officers met in January 2016 for the first time as a student chapter. The four officers attended this meeting in 2348 Engineering Hall in order to set goals and exchange ideas to promote the just established student chapter. The minutes from this meeting are shown in **Table 1**.

Table 1. Minutes from Kickstart Meeting, Spring 2016

01.28.2016	4:15pm	UW- Madison Engineering Campus	
Meeting called by	Daniela Rincón & Angel Pérez		
Type of meeting	Student Chapter Organization and Brainstorming		
Facilitator	Daniela Rincón		
Note taker	Angel Pérez Irizarry		
Attendees	Peter Weatherer, Lê Pham, Daniela Rincón and Angel Pérez, Paul Van Rens		
Topics Discussed	Possible activities of the chapter and ways to reach out to the student community.		
	Invite a speaker and host a seminar. (Prof. Parra is arranging the visit of a presenter)		
	Use the speaker's presentation as the chapter's first big activity and promote the chapter and its opportunities.		
	Create a quick presentation to introduce the EERI student chapter, the officers of the student chapter, opportunities for the undergraduates		
	Promote the Seismic Design Competition to the undergraduates and show them videos of the competition to motivate them towards participating on it.		
	Investigate the possible activities that we as a student chapter can do to raise funds.		
	Coordinate a meeting with ASCE leaders to talk about ways both organizations can collaborate and to ask for advice regarding the student org. policies, duties and capabilities at UW Campus.		
	Check with EERI and/or Mandi (department accountant) what can be done to obtain a form that can be used to ask for donations from companies that can serve as tax exemptions for them. (Non-profit donations)		
	Explore the possibility of creating a meeting among the structural engineering students to have one or two students present their research work in a relaxed environment and promote the sharing of ideas and possible collaborations. Maybe even a poster session.		
	Schedule the next meeting with our chapter advisor (Prof. Parra).		
Action Items			
Reach out to ASCE Student Chapter	Angel Perez Irizarry	Next meeting TBD	
Investigate Funding Options	Peter Weatherer	Next Meeting TBD	
Start organizing presentation by guest speakers	Daniela, Lê, Angel	TBD	
Schedule the Next EERI Meeting and Structures Student Meeting	Daniela	TBD	

FACULTY SEMINAR

Professor Santiago Pujol of Purdue University was invited to present his research on *The Seismic Response of the Faculty of Architecture and Engineering Building at Tohoku University* on April 21, 2016.

This lecture was held in a classroom in Engineering Hall. The four officers, nine other students and three professors attended the presentation. See the minutes from this meeting in **Table 2**.

Table 2. Minutes of the Faculty Lecture, Santiago Pujol, April 2016

4.21.2016	1:00 - 2:15pm	Engineering Hall 2255
Activity called by	Gustavo Parra-Montesinos	
Type of Activity	Faculty Presentation: Prof. Santiago Pujol	
Facilitator	Gustavo Parra-Montesinos	
Note taker	Angel Pérez Irizarry	
Attendees	Peter Weatherer, Lê Pham, Daniela Rincón, Angel Pérez, CEE 749 – (9 Students)	
	Prof. José Pincheira and Prof. Brock Hedegaard.	
Presentation:	On the Seismic Response of the Faculty of Architecture and Engineering Building at Tohoku University.	
Overview:	The Faculty of Architecture and Engineering Building at Tohoku University survived two strong ground motions. This is not surprising because the structure was stiff and strong. What is surprising is that the first ground motion did not cause severe structural damage but the second earthquake, with similar intensity, caused significant structural damage even though the building had been strengthened after the first earthquake. Structural damage was so severe that the building had to be demolished.	

GRADUTATE STUDENT RESEARCH POSTER AT EERI CONVENTION

The secretary of the EERI student chapter, Angel Perez-Irizarry, attended the EERI convention in San Francisco in April of this year to present his current research on *Linking Material Behavior to the Seismic Performance of Fiber Reinforced Concrete Coupling Beams*. See **Attachment 3** for a picture of the graduate student with his poster at the EERI Convention.

SEISMIC DESIGN COMPETITION TEAM

The university has not yet established a team for the seismic design competition. This is one of our goals for next academic year.

ELECTION & ELECTION RESULTS

The table below shows the officers appointed to the Chapter board who will take office on August 2016.

Title	Name	EERI Member Number	Email	Student Status
President	Daniela Rincon	18458	drincon@wisc.edu	Graduate student
Vice President	Le Pham	18467	le.pham@wisc.edu	Graduate student
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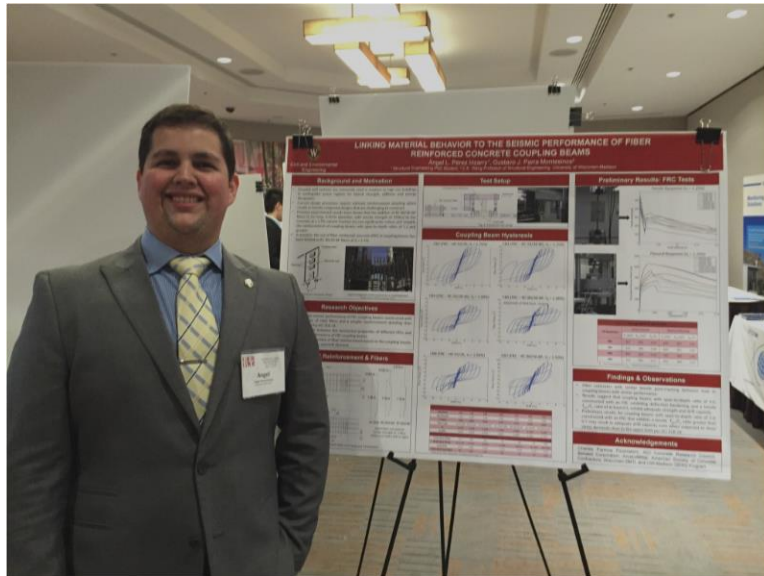
LIST OF ATTACHMENTS



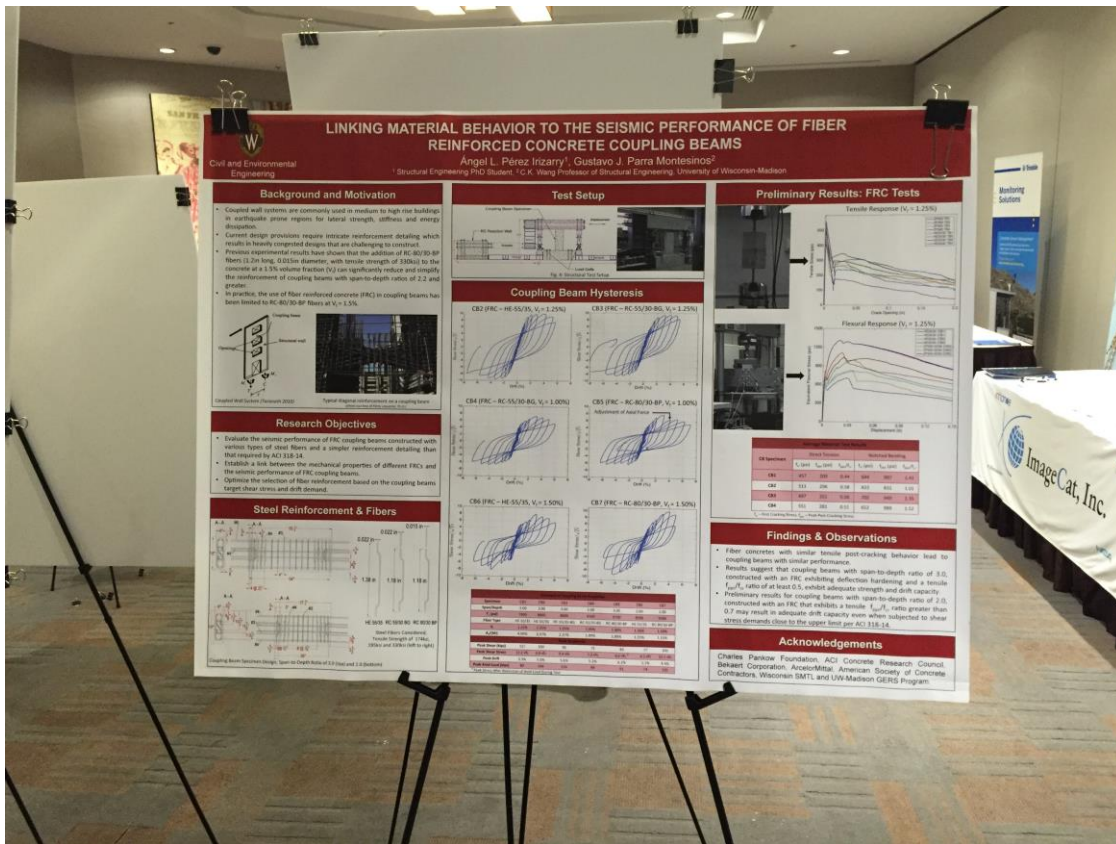
Attachment 1. The chapter officers with Professor Santiago Pujol, April 2016.



Attachment 2. Professor Santiago Pujol presenting on the Seismic Response of the Faculty of Architecture and Engineering Building at Tohoku University, April 2016.



Attachment 3. Angel Perez-Irizarry at the EERI Convention- San Francisco, April 2016



Attachment 4. Angel Perez- Irizarry's poster for the EERI Convention -April 2016



Attachment 5. Logo of University of Wisconsin-Madison EERI Student Chapter, created by Peter Weatherer.