

June 23, 2015

This document summarizes the membership and activities conducted by the University of California, Davis Student Chapter of the Earthquake Engineering Research Institute during the 2014-2015 academic year.

Mission & Goals

The mission of UC Davis EERI is to provide the opportunity for students to develop leadership and interpersonal skills, and gain practical experience and exposure within the earthquake engineering fields. The chapter serves the UC Davis community for the purpose of sharing knowledge, exchanging experiences, and promoting education through various activities.

Membership

The University of California, Davis Student Chapter had a total of 9 members in 2014-2015.

Officers

The Board consisted of the following members:

Role	Name	EERI Member Number	Email	Student Status
Co-president	Vincente Pericoli	14212	vspericoli@ucdavis.edu	Graduate Student
Co-president	Diane Moug	17408	dmmoug@ucdavis.edu	Graduate Student



Vincente Pericoli



Diane Moug

Faculty & Industry Advisors

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Members

A complete list of members is shown below.

Name	EERI Member Number	Email	Student Status
David Grilli	15989	dgrilli2@gmail.com	Graduate Student
Manny Hakhamaneshi	12805	mhakhamaneshi@ucdavis.edu	Graduate Student
Bao Zheng	17937	baozheng@ucdavis.edu	Graduate Student
Babak Kamrani	17296	bkamranimoghaddam@ucdavis.edu	Graduate Student
Sean Munter	17949	skmunter@ucdavis.edu	Graduate Student
Ana Maria Parra-Bastidas	17943	aparrabastidas@ucdavis.edu	Graduate Student
Trevor Carey	16748	tjcarey@ucdavis.edu	Graduate Student

Budget and Financials

EERI UC Davis Student Chapter Account
Initial Balance (January 15th, 2015): \$200

Expenses:

Pizza and Drinks for recruitment meetings (January 30th, 2015): \$75.79

Snacks and Coffee for Friedman Family Seminar (May 14th, 2015): \$15.38

Total Expenses: \$91.17

Final Account Balance: \$108.83

Chapter Activities

Regular chapter activities included Journal Club, and Guest Seminars.

Journal Club involved selection and discussion of a journal article from *Earthquake Spectra*; this activity allowed structures and geotechnical students to provide their thoughts and differing perspectives, thus expanding their knowledge of each other's fields.

Scheduled Guest Seminars allowed invited professionals and researchers in seismic engineering to speak about a topic of their choice. The seminars facilitate discussion and questions between graduate students and practicing professionals. After the seminars, speakers are invited to lunch with faculty and several graduate student EERI members.

Guest Seminar #1

Date: 23 April 2015

Topic: Seismic Design and Re-evaluation of Nuclear Plants

Speaker: Annie Kammerer

Annie Kammerer Consulting

240 3rd Street, Suite 111

Oakland, CA 94607

Tel: (415) 307-6922

E-mail: annie@anniekammerer.com



Guest Seminar #2

This Seminar was scheduled as part of the EERI Friedman Family Visiting Professional program.

Date: 14 May 2015

Topic:

Speaker: Ramin Golesorkhi

Langan Treadwell Rollo

240 3rd Street, Suite 111

Oakland, CA 94607

Tel: (415) 955-5230

E-mail: rgolesorkhi@langan.com

Journal Club #1

Date: 20 February 2015

Bray, J., Cubrinovski, M., Zupan, J. and Taylor, M. *Liquefaction Effects on Buildings in the Central Business District of Christchurch*. *Earthquake Spectra*, Volume 30, No. 1: 85-109.

Journal Club #2

Date: 20 March 2015

Holmes, W. T., Luco, N., and F. Turner. *Application of the Recommendations of the Canterbury Earthquakes Royal Commission to the Design, Construction, and Evaluation of Buildings and Seismic Risk Mitigation Policies in the United States*. *Earthquake Spectra*, Volume 30, No. 1.

Journal Club #3

Date: 01 May 2015

Thomas D. O'Rourke, Sang-Soo Jeon, Selcuk Toprak, Misko Cubrinovski, Matthew Hughes, Sjoerd van Ballegooy, and Dimitra Bouziou (2014) *Earthquake Response of Underground Pipeline Networks in Christchurch, NZ*. *Earthquake Spectra*, Volume 30, No. 1: 183-204.

Journal Club #4

Date: 29 May 2015

Qaisar Ali, Akhtar Naeem Khan, Mohammad Ashraf, Awais Ahmed, Bashir Alam, Naveed Ahmad, Mohammad Javed, Shahzad Rahman, Mohammad Fahim, and Mohammad Umar (2013) *Seismic Performance of Stone Masonry Buildings Used in the Himalayan Belt*. *Earthquake Spectra*: November 2013, Vol. 29, No. 4, pp. 1159-1181.

Chapter Outreach

Coordinated outreach activities with EERI UC Davis Chapter, and the Geotechnical Graduate Student Society (GGSS) at UC Davis. Outreach activities had local students tour the Center for Geotechnical Modeling at UC Davis. Graduate students share their enthusiasm for earthquake engineering, and teach earthquake engineering concepts through demonstrations including shake table and liquefaction demonstrations.



Outreach Activity #1

7-November-2015

Class of 10th Grade students from Ghidotti Early College High School, Grass Valley
Organized by Diane Moug and Bao Zheng (UC Davis Graduate Students, EERI Members)
Assisted by Trevor Carey (UC Davis Graduate Student, EERI Member)

Outreach Activity #2

6-March-2015

Class of 8th Grade Advanced Math Students from Barry School, Yuba City
Organized by Bao Zheng (UC Davis Graduate Student, EERI Member)
Assisted by Trevor Carey and Diane Moug (UC Davis Graduate Students, EERI Members)

Seismic Design Competition Team

The entirety of the SDC Team for the previous year had graduated, leaving no continuation. A new SDC Team was formed, but decided to quit before the competition, despite having assistance from the previous SDC Team Captain (Justin Watkins).

Results, Outcomes and Lessons Learned

The UC Davis EERI Chapter must have a more active role with the undergraduate SDC team. Next academic year, a new officer position (SDC Team Advisor) will be formed so that the SDC team may have more direct assistance from a graduate student. Furthermore, teams will be carefully constructed so that they contain students of varying levels, as to maintain continuation from year-to-year.

Election and Election Results

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

Role	Name	EERI Member Number	Email	Student Status
Co-President	Trevor Carey	16748	tjcarey@ucdavis.edu	Graduate student
Co-President	Vincente Pericoli	14212	vspericoli@ucdavis.edu	Graduate student