



# **Cal Poly Pomona** **GeoWall**

## **Funding Proposal** **2019-2020**

## Objective

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The California State Polytechnic University of Pomona GeoWall Team appreciates the opportunity to submit this proposal for your sponsorship consideration. Cal Poly Pomona students involved in GeoWall are part of a student-run organization that focuses on the professional development of its members. Our team has been participating in competitions since 2012. Sponsorships allow our members to have an enriched learning experience that emphasizes our school's polytechnic philosophy of "learn by doing". These sponsorships will also provide funds for our GeoWall members to conduct research for designing a *mechanically stabilized earth* (MSE) *retaining wall*. This provides us opportunity attend the competitions at both the national and regional levels. As we prepare for this upcoming competition season, we would like to invite you and your organization to support our team by helping us develop engineering engineers.

**Our main objective is to help our members attend two main conferences this year. The first is the 2020 Geo-Congress Conference in Minneapolis, MN. Followed by the regional competition at the 2020 Pacific Southwest Conference in Fullerton, CA.**

## Sponsorship Benefits

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### ***ORGANIZATION PROMOTION***

The ASCE Pacific Southwest Regional Conference (PSWC) and the Geotechnical Frontiers 2020 conference is attended by educators, professionals, and students, both undergraduate and graduate, from all throughout the nation. The GeoWall competition will be attended by hundreds of young engineering students.

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### ***TAX DEDUCTIONS***

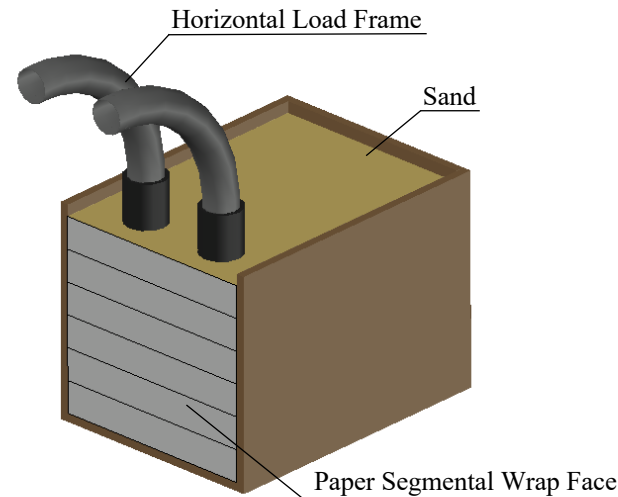
All donations are made to the Cal Poly Pomona Foundation, Inc. which is a public-benefit charitable-education organization under the provisions of the California Revenue and Taxation Code, Section 23701(d) and the United States Internal Revenue Code, Section 501(c)(3).

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# GeoWall Challenge

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The objective of the GeoWall competition is to design and build a model wrapped faced segmental mechanically stabilized earth (MSE) retaining wall using Kraft paper as the reinforcements and wall facing. The design objective is to use the least amount of reinforcement material required to support the backfill and to withstand the loading phases. The challenge allows students to develop teamwork and leadership skills while getting a hands-on application of concepts studied throughout their coursework.



## Loading Phases

Vertical Surcharge of 50 lbs placed 5 inches from the back of the removable front panel.

Static Horizontal Surcharge of 20 lbs placed on a horizontal load frame.

Dynamic Impulse Load of 5 lbs dropped from a height of 10 inches above the backfill.

## Backfill

This year's backfill is a mixture of clean, dry, rounded to sub-rounded sand.

## Competitions

This year our team consists of 6 new undergraduates. Each member of the team participates in designing, constructing, and testing of the retaining wall. We are aided in our research by Cal Poly Pomona's geotechnical laboratory resources. Our team meets once a week to ensure that we are adequately prepared for the upcoming competitions.

The regional conference this year will take place at the American Society of Civil Engineers' Pacific South West Conference (PSWC), hosted by California State University, Fullerton. Teams are accepted for the national competition based on their design papers, which discuss the design of their retaining wall. The rules and regulations typically change slightly each year. Therefore, the competition continues to challenge each school in new ways. In addition, the national competition this year will take place in Minneapolis, MN at the 2020 Geo-Congress Conference. The conference is a venue where students can learn about specialized topics in the geotechnical field and most importantly, make valuable industry connections. Our team feels very confident in our abilities to perform well at the regional competition. We always hope to place within the top 3 schools.

## Academic Budget

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It is essential for our GeoWall team raise enough funds to support the participation, travel, and materials cost throughout this year's competition season. Each item in our budget is based on the current rates for transportation and materials. The conference fees are based on the previous year's fees. The total cost breakdown for our services is presented in the table below.

<b>GeoWall Budget 2019-2020</b>	
<b># ITEM</b>	<b>COST</b>
<b>Equipment and Materials</b>	
1 Kraft Paper Materials	\$80.00
2 Construction Supplies	\$300.00
3 Sandbox	\$200.00
<b>Total</b>	<b>\$580.00</b>
<b>National Competition: 6 Students</b>	
4 Registration	\$1,350.00
5 Airfare	\$3,600.00
6 Hotel	\$1,000.00
7 Food	\$250.00
8 Car rental	\$175.00
9 Shipping	\$350.00
<b>Total</b>	<b>\$6,725.00</b>
<b>Regional Competition: (PSWC)</b>	
10 Registration/Hotel	\$1,300.00
11 Gas/Travel	\$200.00
12 Food	\$200.00
<b>Total</b>	<b>\$2,300.00</b>
<b>Total GeoWall Cost</b>	<b>\$9,025.00</b>
<b>Total Academic Cost: \$9,025.00</b>	

## Sponsorship Packages

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### **Bronze Level Sponsor: *Investment between \$1 and \$99***

- Personal letter of thanks from GeoWall
- Recognition on our membership shirts with an organization logo
- Logo and website link on our website
- Recognition on our team's sandbox with a three (3) inch organization logo



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### **Silver Level Sponsor: *Investment between \$100 and \$499***

- Personal letter of thanks from GeoWall
- Recognition on our membership shirts with an organization logo
- Logo and website link on our website
- Recognition on our team's sandbox with a four (4) inch organization logo
- Logo on the back of the competition team shirt
- Two (2) GeoWall team shirts



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### **Gold Level Sponsor: *Investment equal to \$500 or more***

- Personal letter of thanks from GeoWall
- Recognition on our membership shirts with an organization logo
- Logo and website link on our website
- Recognition on our team's sandbox with a six (6) inch organization logo
- Logo on the back of the competition team shirt
- Four (4) GeoWall Team T-Shirts
- Sponsor recognition club and team Photo



# Cal Poly Pomona GeoWall Sponsorship & Donation Form

*Please fill out this form and return to the address listed below. Thank you!*

**Company Name:** \_\_\_\_\_

**Contact Person:** \_\_\_\_\_

*If no name is supplied, you will remain as an anonymous donor.*

**Company Address:** \_\_\_\_\_

**City, State:** \_\_\_\_\_

**Zip Code:** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

**Type of Donation:** ☐ Cash ☐ Check

**Amount Donated:** \_\_\_\_\_

**Additional Comments or Information:** \_\_\_\_\_  
\_\_\_\_\_

**Please make all checks out to:**

**“Cal Poly Pomona Foundation, Inc.”**  
On *MEMO* line, please fill in: **GeoWall**

**Address:**

Attn: Civil Engineering CalGeo  
Civil Engineering Department  
California State Polytechnic University,  
Pomona  
3801 West Temple Avenue  
Pomona, California 91768

## THANK YOU FOR SUPPORTING GeoWall

Please send your high-resolution color and black and white logos to  
**[cppgeowall.fundraising@gmail.com](mailto:cppgeowall.fundraising@gmail.com)**  
All materials will be sent for your approval before going to print.

**For questions, please contact:**

### Financial Leads

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