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# MAPConnect

Jan 2016

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## Happy 2016 - Get Involved this year!

The Madison Area Professional Chapter of EWB continues to strive to support the professional mentors who support the UW Madison chapter of EWB. We hope this newsletter helps by keeping you in touch.

Since the Fall of 2015, MAPC mentors have been working closely with the active EWB-UW programs. We have had numerous new mentors become involved, adding insight and energy. As the students move toward adding a program in Ethiopia and potentially a Domestic program through EWB Community Engineering Corps, the need for mentorship will grow as well.

The MAPC Executive Committee began the year with Maria Zarzalejo joining the committee as Secretary. A joint meeting with the EWB UW Executive Committee has given us clear direction for the rest of the school year, and further insight to how mentors can assist.

Join us at our **Feb 1st meeting** to learn about our ongoing work and to find a place for your skills.

Brad Hughes - President

MAPC Executive Committee - Brad Hughes, Paige Peters, Matt Roling, Josh Accola, Maria Zarzalejo.

## Upcoming Events

**MAPC Meeting, Monday, February 1st 2016**

**6:00-7:30pm. Location: UW Madison**

**2106 Mechanical Engineering Building.**

March - Workshop - Piping

April - Workshop - Project Management

April - Project Summit

### Current Opportunities:

Grant Writing and Review [Help](#)

Fill out our [Member Inventory](#)

Attend the next MAPC Meeting on February 1st to learn about project mentor needs

### EWB-UW Program student meeting schedule for spring term 2016:

(Confirm locations with the MAPC calendar [here](#))

- Guatemala - Tuesdays at 6 pm  
( 2317 Engineering Hall)
- Uganda - Thursdays at 7 pm  
( 2121 Mechanical Engineering Building)
- Ecuador - Wednesdays at 7 pm  
( 2121 Mechanical Engineering Building)
- Ethiopia - Tuesdays 8:00 pm  
(2121 Mechanical Engineering Building)
- Domestic Project- Tuesdays 7:30 pm - TBD



## Project Updates and Trip Reports

### Guatemala - Lead Mentor - Kevin Frost (Kevingfrost@gmail.com)

The EWB-UW student water project in Azucenas is finished and running. The project brings over clean water from three springs along 12 kilometers of pipe to serve more than 700 people in the village in the Joyabaj region of Guatemala. Kevin Hagen, a mentor for the project, traveled in November to monitor the project. While there, the community celebrated the flowing water with a big party, decorating the 20,000 liter storage tank with flowers. Azucenas will have a formal inauguration on February 29th. Congratulations to all the students and mentors for their diligent work on the project.



Moving forward, the Guatemala student group is looking to partner again with the Wisconsin Initiative for Guatemala Infrastructure, or WIGI, this time to design and build a new foot bridge in the Joyabaj region. Mentors with an interest/background in bridge engineering, please contact Kevin Frost. They are planning to travel this summer to assess the bridge project and to monitor Azucenas and their previous project before that, the water project at Pajuya.

### Guatemala - Fundraising Highlight:

Because of your generous donations and efforts to solicit gifts on MAPC's behalf, MAPC was able to financially aid and urgent need from the Guatemala program's ongoing water supply project in Azucenas, Guatemala. Due to some unforeseen circumstances, additional piping materials were required to complete the project under tight time constraints. MAPC loaned \$1,500 to the Guatemala group in order to keep the project rolling while other funds are solicited. Thank you again for your fundraising efforts, without which, this would not have been possible. EWB-UW expressed their gratitude with this beautiful [Thank You Letter](#).

### Ethiopia - NEW PROJECT ! - Lead Mentor - Josh Accola (colastallion@gmail.com)

The new group that is proposing a solar project in Ethiopia, partnering with LemEthiopia, has made some great progress in the past semester. Student, Christina Hirons has joined to help as a co-project manager with current student project manager Ryan Mcguine. The group is very excited to have recruited a mentor with a breadth of electrical engineering experience, Dan Williams. They are still looking for any mentors with ability to travel or past experience with EWB travel arrangements. Their first meeting of the Spring 2016 semester will be Feb. 9th at 8pm in 2121 Mechanical Engineering. **Please contact [joshua.accola@aecom.com](mailto:joshua.accola@aecom.com) or [dwilliams@aeieng.com](mailto:dwilliams@aeieng.com) if you are interested** or have any questions.



## Uganda - Lead Mentor- Larry Ryan (lw\_ryan@msn.com)

The Uganda project is running smoothly and "running" is the operative word as the team is in the midst of planning their first implementation trip for summer of 2016. The project aims to provide clean water to a village, named Lweza, of over 6,000 people. Last summer's Assessment travel team was able to meet several members of the community and enjoyed their hospitality, returning to Madison even more eager to solve the issues that plague the community. The main issue is contaminated water from E Coli and metals. The group narrowed the solution to a bore hole with pipes for distribution from a number of

worthy alternatives and is now drawing designs for implementation. Hard work from this talented group of students will make this project a success. We are excited to see the future success!



## Ecuador - Lead Mentor - Dave Gliniecki (dgliniecki@hotmail.com)

Five students along with one mentor, John Olson, traveled to Tabuga, Ecuador in January 2016. The main objectives of this trip were installing a float control device in Tabuga's cistern, repairing and installing a chlorine pump, work on the wiring of the floats to the well pump, gathering of data for a possible new project and testing of a mineral recollection method. Our first day, January 7th, consisted of just traveling to Tabuga with a short stop in Pedernales, neighboring city to Tabuga. The very next day we started by walking around town inspecting the system and assessing the current situation. Changes made during our last trip were still functioning so we could proceed to prepare to continue with our planned implementations. On the upcoming days we did 3 trips to Pedernales hardware store. We successfully bought all the materials we needed. With materials in hand we proceeded with the installation of the floats at the cistern and their wiring from the cistern to pump house. We received the aid of a local and experienced electrician to make the wiring of the floats to the well pump. We also fixed the broken piece of the chlorination pump and added chlorine to system. In addition to these changes, we installed flush valves and pressure gauges in the pipe line. We also evaluated several possible spots along the river for the wash station to be built.

**Want to learn more about what's going on ?**

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