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Society of Women Engineers
REGION i
Oklahoma City Section 1009



Let us know more about what you are interested in.
Please fill out the survey at the link below:

SWE OKC Member Survey and Outreach Volunteer Interest Form

Help us decide what SWE OKC Merchandise you would like.
Please fill out the survey at the link below:

SWE OKC Merchandise Survey

Upcoming Outreach Opportunities

[Click Here](#) for more Oklahoma City Area Collegiate and K-12 Outreach Information

President's Message

Please volunteer at these outreach opportunities to help shape our future women in STEM.

- Upeksha Addagatla, FY '18 SWE OKC President

FIRST Lego League (FLL) tournament at Mount St. Mary High School in Oklahoma City

VOLUNTEERS NEEDED!!! Various shifts available.

Saturday, Nov. 4 8 AM - 6 PM

OKC Mount St. Mary's

[2801 S. Shartel Ave Oklahoma City, OK 73109 USA](https://www.mountstmary.org/page.cfm?p=886&newsid=1491)

Event Details <http://www.mountstmary.org/page.cfm?p=886&newsid=1491>

FLL is the 4th-8th grade robotics competition, and FLL Jr. (which we'll also host at the same time) is the K-3rd grade version. We provide lunch and lots of snacks for our volunteers, so you'll be well-fed.

How to register as a volunteer:

1) go to <https://www.firstinspires.org/> and log in (top-right of the screen) using whatever username / password you used last year. Or sign up if you are new to the site. A document that describes how to sign up as a volunteer is here: https://www.firstinspires.org/sites/default/files/uploads/resource_library/volunteer/volunteer-registration-user-guide.pdf

2) Click on "Volunteer Registration" and then "Volunteer at an event"

3) on the "Search for an event" page that appears next, type "Mount" in the search bar and press enter. You should see "FIRST LEGO League OKC Mount St. Mary's Qualifier" and "FIRST LEGO League Jr. OKC Mount St. Mary's Expo" which will take you to a page where you can select jobs. You want to click on the red one ("FIRST Lego League").

4) Please also email Travis Smith <trav@ousmiths.com> after you sign-up

Details about the roles:

- Judge: Many people are afraid to volunteer as judges, but the judge role is much easier than most people realize. You do not need any technical skills to be a Project Judge or Core Values Judge. These roles involve watching the teams either make a presentation or work together to complete a task. To be a Robot Design judge, it can be helpful to know how to program a LEGO robot, but it is not absolutely necessary. If you are an engineer who analyzes designs, you have the skill set to be a robot design judge. You will listen to the teams explain how/why they made their design and programming decisions. You can interact with the team by asking questions. All judge panels will have 2-3 people. Your judge panel will be provided with a rubric to complete for each team. You will compare the teams you judge against each other and then verbally share the best team(s) with the other judges to decide the top 3-4 teams. A judge advisor will help you

through the process.

- Referee: To be a referee, you will need to learn the mission rules, but not the scoring. As a referee, you simply mark off each mission accomplished on a pre-printed sheet. The scorekeeper enters the information into a spreadsheet which calculates the score.
- Field resetter is someone who sets the field to starting conditions between each match. Attention to detail is a must!
- Robot Game Queuer helps teams line up prior to their matches and alerts the Pit Manager when teams are missing.
- Scorekeeper enters data into the computer. Attention to detail is a must!
- Timer controls the clock during the matches.
- Load in / Load out is setting up and cleaning up. Set up occurs the night before the event and may involve taping out pit areas, setting up tables, laying out extension cords, etc. Clean up occurs immediately after the closing ceremony and may involve taking out trash, sweeping/mopping, moving items, etc.
- The Pit Manager may make announcements on a PA system and supervises activities in the pit area.
- The Practice Table Assistant supervises the practice tables to keep times fair and equitable between teams. Must be willing to give directions and enforce if necessary. Note that not all events have practice tables.
- Registration occurs in the morning only. Teams must be checked in and paperwork collected. Good people skills and the ability to work quickly are helpful.
- Volunteer room assistant supervises the volunteer room and handles any needs that crop up.
- Other positions are relatively self-explanatory. Not all positions are used at every event.

Thanks, Travis Smith - Volunteer Coordinator <trav@ousmiths.com>





Edmond Memorial High School SWENext Club "Lady IronDogz"
Challenge Submission

B.E.S.T ROBOTICS Volunteers Needed (OKBEST.org)

Engineering Science and Technology (B.E.S.T) robotics competition in the Oklahoma city area. OKBEST is a 501C3 that has a partnership with the Oklahoma Science and Engineering Foundation (OKSEF). The OKBEST.org group provides all the material, training and mentoring for K-12 participants. We need volunteers in many areas. Please email johndrobertson@gmail.com if interested.

VOLUNTEERS NEEDED to mentor the EMHS SWENext club "Lady IronDogz"

The Edmond Memorial High School (EMHS) SWENext club was formed in September. Their goal is to utilize the club to recruit more girls into the FIRST Robotics Team IronDogz #2773 ([Website](#)) in Edmond, OK and to encourage girls to pursue STEM education and career paths.

With the help of an EMHS teacher and SWE professional mentors, the girls completed their first SWENext Club Challenge on September 15th. [Take a look at their video!](#)

Mentors will assist with future club activities as available. The club plans to meet periodically throughout the school year after school hours or on weekends.

Please email swe.okc@gmail.com if interested in mentoring.



FIRST Robotics Volunteers NEEDED **(Mentors, Coaches, and/or sponsors needed)**

FTC competition robot build season *September thru December*

FRC competition robot build season *January thru March*

The teams typically meets after school and some weekends



How to Sign-Up: Find a FIRST team near you and sign up to be a mentor there. Just go to the FIRST website and look for the [team/events search page](#). Then contact the team using the email on the FIRST team page. There are many other ways to volunteer and give to FIRST. Visit <https://www.firstinspires.org/> for more information.

Sign up as a mentor, coach, competition event volunteer, etc... by emailing the Regional Director - Oklahoma Harold Holley hholley@usfirst.org or SWE OKC.

The following teams have female participants and are seeking female mentors for the upcoming FTC and/or FRC competitions.

Mount St. Mary Catholic High School Robotics Team ([Link to More Details](#))

Website: <http://www.mountstmary.org/page.cfm?p=1025>

Facebook Page: <https://www.facebook.com/MSMRocketRobotics/>

If you are interested in mentoring the Mount St. Mary students, please email their teacher Ms. Magi Whitaker at mwhitaker@mountstmary.org and

cc: swe.okc@gmail.com

If you are aware of other teams seeking female mentors, please email us.

SWE Awards and Scholarships

SWE recognizes member contributions to profession and community through regional and society level awards.

Region i Award applications are due on **December 1st** for the prestigious Emerging Leader, Distinguished New Engineer, Male Supporter, and Distinguished Service Awards. To find more information about SWE regional and national awards and prepare an application for regional awards visit: <http://regioni.swe.org/fy18-awards> and <http://societyofwomenengineers.swe.org/awards/individual-awards> We'll send a reminder about **SWE national awards** when that nomination process opens later this calendar year, those submittals are typically due at the **end of March**.

Several **SWE Scholarships** are also available to college students. For more information on Awards and Scholarships, see

<http://okc.swe.org/awards---scholarships.html>

If you need help filling out applications, please contact us.

2017-2018 SWE OKC Officers

[Click Here](#) for a complete list of officers and their pictures

President - Upekesha Addagatla

Vice President - Caroline Heller

Treasurer - Jenna Ziegler

Secretary - Morgan Arline

Section Representative - Sandi Snelling