

Greater Pittsburgh Regional

TEAM EVENT HANDBOOK

INFINITE RECHARGESM



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Welcome

Welcome to the *FIRST*[®] Robotics Competition Greater Pittsburgh Regional

We are delighted to have all of you - students, parents, teachers, sponsors, volunteers and spectators - with us for this special occasion.

Greetings to our Greater Pittsburgh Regional teams and welcome to those who traveled long distances to be here with us! We look forward to seeing how you solved this year's challenge, *FIRST*[®] RISE_{SM} powered by *Star Wars: Force for Change*. This week marks the culmination of months of hard work, creative problem solving and incredible team work. Here, on the arena floor, you will test your design, strategy and fabrication skills. You have learned what it means to be part of a team and you have contributed to its success. In the spirit of *Gracious Professionalism*[®], your opponents will become your friends and colleagues – for years to come.

To all of our volunteers, mentors, teachers, and parents: Thank you for your year-round support to create this outstanding opportunity for our students. Your investment of time and energy has been significant, and you have served as terrific role models. You have positively impacted this next generation of innovators, educators, engineers and leaders and you should be proud of your accomplishments!

To all our sponsors and partners: You play a critical role thanks to your commitment of funding, volunteers, internships, and leadership. You know the importance of a workforce that is technically astute, innovative, and energized and recognize that *FIRST* participants are the future workforce that keeps our country competitive in the global economy. And in these times of economic uncertainty, we are even more appreciative of those of you who have stepped up to help us continue this all-important event. This Regional and *FIRST* year-round STEM related activities have been made possible thanks to your support!

We invite everyone to join us to cheer for these students as they put into play lessons and skills learned over the past several months. Watch them compete on the arena floor and visit them in the pits. Talk to them and congratulate them. They are all winners. They are our future!

On behalf of the leadership of *FIRST* Western and Central, PA, we wish all participating team members great success, volunteers amazing fun and spectators super charged excitement! Best of luck to everyone!

The Greater Pittsburgh *FIRST*[®] Regional Planning Committee

Event Location

**Convocation Center
California University of Pennsylvania
Riverview Drive
California, PA 15419 USA**

<https://www.calu.edu/convocation-center/index.html>

Directions

From the East (Harrisburg, Philadelphia):

Pennsylvania Turnpike to New Stanton Exit 75, Interstate 70 West to Exit 37A (Toll Road 43 South)**

From the Northeast (Scranton):

Interstate 81 South to Pennsylvania Turnpike, Pennsylvania Turnpike West to New Stanton Exit 75, Interstate 70 West to Exit 37A (Toll Road 43 South)**

From the North (Erie, Pittsburgh):

Interstate 79 South to Interstate 70 Exit, Interstate 70 East to Exit 37A (Toll Road 43 South)**

From the Southeast (Baltimore, Md., Washington, D.C.):

Interstate 70 West to Pennsylvania Turnpike, Pennsylvania Turnpike West to New Stanton Exit 75, Interstate 70 West to Exit 37A (Toll Road 43 South)**

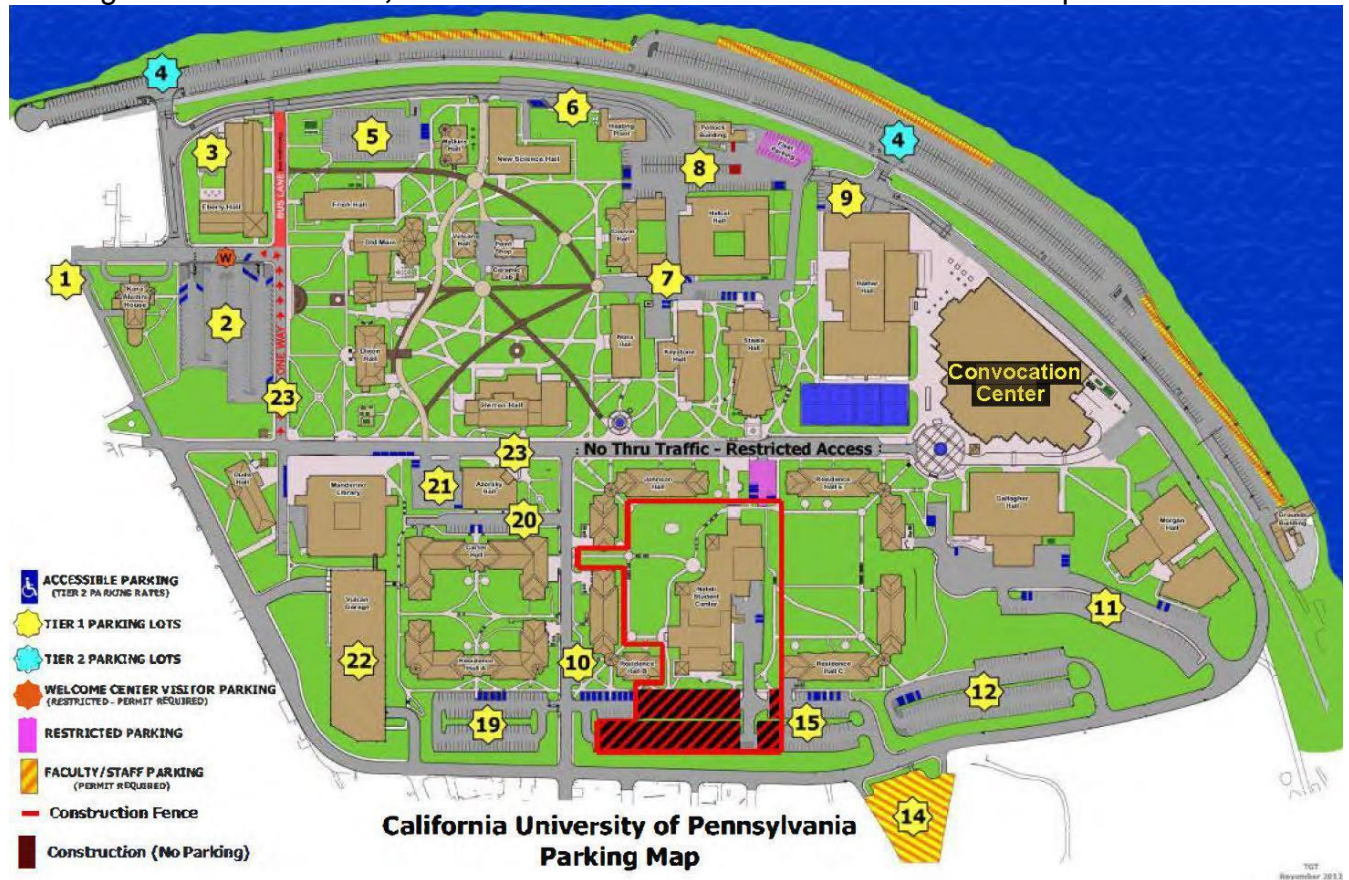
From the West, Southwest (Ohio, West Virginia): Interstate 70 East to Exit 37A (Toll Road 43)**

****From Toll Road 43 South:**

Take the California Exit (bear right at end of exit). Stay straight toward Wood Street. Follow Wood Street down to intersection at Third Street (at stoplight). At stoplight, turn right onto Third Street and follow straight onto campus.

Parking

Parking is in the **River Lot**, which is marked with a **blue #4 star** on the map below.



The main entrance for team members and visitors is at the cross-hatched circle on the map immediately to the lower left of the Convocation Center.

Accessible Parking (ADA) spots are identified on the map in dark blue. Lots 11 and 12 are the closest lots most likely to have available spots. The path is level between these lots and the Convocation Center.

Team and Visitor Parking: At Load-In, each team will receive one free parking pass which may be used in a specially marked area of the River Lot (#4 on the map above). The River Lot is best accessed by the entrance across from Lot 9. Buses, trailers, and oversized vehicles may not park in this lot. See Off-site Parking for buses and trailers.

Volunteer Parking: Parking for non-team volunteers (i.e., those who volunteer at the Regional who would not otherwise be attending, unlike team members who have volunteered to help) is in a specially marked area of the River Lot (#4 on the map above). The River Lot is best accessed by the entrance across from Lot 9. Volunteers will receive their free parking pass at check-in.

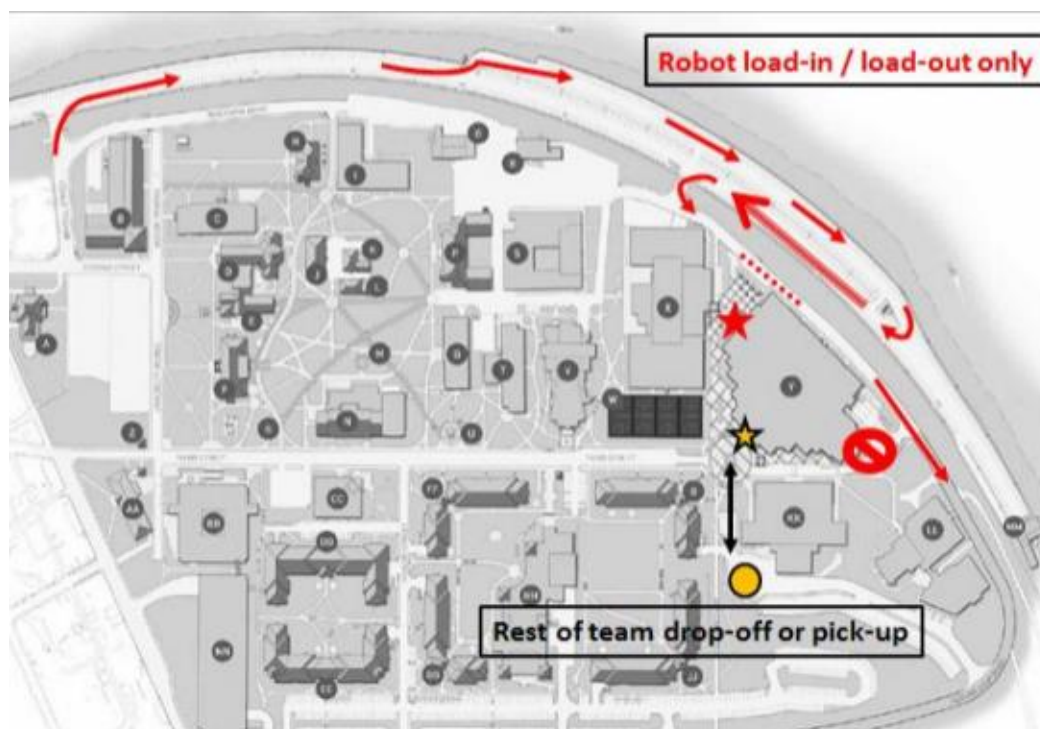
Off-site Parking for Buses and Trailers: The Philipsburg Trailer Parking area is available for additional parking and, in particular, is the best place for teams to park any buses, significantly-sized vehicles, or trailers used in transporting the team and equipment. Teams will not be permitted to unhitch and leave their trailers in lot 4A. Please see the map, below, for the preferred location of parking for busses and trailers. Signage on campus will be posted assist with teams locating appropriate parking for busses and trailers.



Load In/Load Out

Please remember your Gracious Professionalism® and be courteous to others who are trying to load-in or out as well.

Please follow the path of the arrows on the map for robot load-in and load-out. The loop is the best way to prevent curbside confusion and minimize the impact on one of Cal U's most heavily used roads.



1. Enter the River Lot parking area from the Beazell Street entrance.
2. Continue along the parking lot until it widens and go down the left side that is closest to the river. Make a U turn at the end of the divided area and you will be in the main staging area (shown on the map as the wider line).
3. When the volunteer asks you to proceed, exit the parking lot and make the immediate left onto Riverview Drive.
4. You will be guided to park where the red dots are on the map to drop-off or pick-up your robot along with no more than the 5-member team.
5. To allow for faster unloading of team equipment, please unload all items to the courtyard (weather permitting) before moving them into the building.
6. Once unloaded, the vehicle should leave the Convocation Center area by staying on Riverview Drive. Do not turn right immediately after the Convocation Center as it leads to no outlet.

The rest of the team members and equipment should be dropped off or picked up at the Front of the Convocation center shown with the black and gold circle on the map. This minimizes the impact on the main road plus allows all the teams to collectively load-in and load-out faster. This area easily parks five large buses, offers easy turnaround space, and is safer. Team members can enter the Convocation Center at the main entrance marked by the black and gold star.

During Load In, teams will be allowed to build and set up their pits.

Vehicles may not remain curbside while teams set up their pits. The vehicle will need to be moved from the unloading zone to the River Parking Lot once it is unloaded. Only five members per team will be allowed in the Convocation Center for load-in. The standard *FIRST* safety rules will be in effect at the time of setting up the pit area. Please see the [2020FRCGameSeasonManual.pdf](#) for more information.

Teams are encouraged to use the Wednesday Evening load-in times, from 6:00 p.m. to 8:00 p.m. Teams that are unable to load-in Wednesday night may begin loading in their tools, materials, and robot through the Loading Area beginning Thursday morning, 7:45 a.m.

- Teams may only send in five people for load-in – remember safety glasses!
- At least one person must be an adult.
- Teams are encouraged to bring two adults as one adult needs to move the vehicle before loading in team materials.
- Please have all materials ready for load-in. Boxes, totes, etc. are much easier to move than individual items.
- Empty and move your vehicle prior to moving into the Convocation center.

Teams may begin to setup their pit during load-in times, but no work on the robot may start until Thursday morning, 8:30 a.m., when the pits open along with machine shop, registration, and inspection.

Per the 2020 Event Rules Manual:

If an event has designated Early Pit Setup times both the evening before and the morning before pits officially open, a team may use both periods for load in and setup, but per E24 must leave once pit setup is complete.

<https://firstfrc.blob.core.windows.net/frc2020/EventRules/EventRulesManual.pdf>

We are able to offer Team Trailer/Truck parking this year. Please see the parking information below.

During Load-out, Teams will need to have all their materials ready to load before having their vehicle pull in for load-out. More information on the Load-Out procedures will be distributed at the event.

Team Pre-Order Meals

Teams may pre-order lunch and dinner meals directly from California University at:

<https://www.calu.edu/inside/events/robotics-lunch.jsp>.

All orders are due by 5:00 p.m., March 5, 2020.

FIRST Robotics Pre-Order Meal Options - California University of PA - March 19-21, 2020

ONLINE ORDERS ARE DUE BY: 5:00 p.m., MARCH 5th, 2020



Please visit the following link to order and pay online: <https://www.calu.edu/inside/events/robotics-lunch.jsp>

*Credit card purchases only **NO CHECKS and NO PAYMENTS WILL BE ACCEPTED ONSITE**

This year we are offering lunch pre-orders. In addition to the box meals we will also offer whole pizzas and Chick-fil-A. Please see the full list of selections being offered below. This is a helpful reference when ordering online.

	THURSDAY, March 19	FRIDAY, March 20	SATURDAY, March 21
LUNCH	<p>Box Meals \$9.45/ea: All sandwiches are garnished with leaf lettuce and tomato slice, whole fruit, potato chips, cookies, & bottle water.</p> <p>Option 1: Roast Turkey and Provolone Cheese served on baked roll Option 2: Fresh Honey Maple Ham and Swiss Cheese on baked roll Option 3: Grilled vegetable sandwich *Dietary requests can be made in the online order form</p> <p>18 inch Pizza (8 slices) Made fresh daily \$13.35 – Cheese Pizza \$15.25 – Pepperoni Pizza \$3.60 – 2 Liter Soda *selection made at pick up \$10.00 – Case of water (24 bottles)</p> <p>Chick-fil-A 200 count Chicken nuggets - \$92 Waffle Chips (Individual Bags) - \$1.30 Chick-fil-A Sweet tea - \$6/ gallon Chick-fil-A Unsweet Tea - \$6/gallon Chick-fil-A Lemonade - \$11.50/gallon Cookie Tray - \$5.75/per dozen</p>	<p>Box Meals \$9.45/ea: All sandwiches are garnished with leaf lettuce and tomato slice, whole fruit, potato chips, cookies, & bottle water.</p> <p>Option 1: Healthy Ones Sliced Chicken and Cheese on baked roll Option 2: Italian Grinder and Cheese served on baked roll Option 3: Three cheese vegetarian sub *Dietary requests can be made in the online order form</p> <p>18 inch Pizza (8 slices) Made fresh daily \$13.25 – Cheese Pizza \$15.25 – Pepperoni Pizza \$3.55 – 2 Liter Soda *selection made at pick up \$10.00 – Case of water (24 bottles)</p> <p>Chick-fil-A 200 count Chicken nuggets - \$92 Waffle Chips (Individual Bags) - \$1.30 Chick-fil-A Sweet tea - \$6/ gallon Chick-fil-A Unsweet Tea - \$6/gallon Chick-fil-A Lemonade - \$11.50/gallon Cookie Tray - \$5.75/per dozen</p>	<p>Box Meals \$9.45/ea: All sandwiches are garnished with leaf lettuce and tomato slice, whole fruit, potato chips, cookies, & bottle water.</p> <p>Option 1: Turkey and white American Cheese on a pretzel roll Option 2: Shaved Roast Beef with Cheese served on baked roll Option 3: Grilled vegetable sandwich *Dietary requests can be made in the online order form</p> <p>18 inch Pizza (8 slices) Made fresh daily \$13.25 – Cheese Pizza \$15.25 – Pepperoni Pizza \$3.55 – 2 Liter Soda *selection made at pick up \$10.00 – Case of water (24 bottles)</p> <p>Chick-fil-A 200 count Chicken nuggets - \$92 Waffle Chips (Individual Bags) - \$1.30 Chick-fil-A Sweet tea - \$6/ gallon Chick-fil-A Unsweet Tea - \$6/gallon Chick-fil-A Lemonade - \$11.50/gallon Cookie Tray - \$5.75/per dozen</p>

Team Onsite Meals

Onsite meals also include the Concession Stand at the Convocation center as well as other reasonably priced food outlet options on campus:

Goldrush Dining Hall:

Wednesday to Friday

Breakfast: 7:00 a.m. - 9:30 a.m.
Lunch: 10:30 a.m. - 2:00 p.m.
Dinner: 4:00 p.m. - 7:00 p.m. (4:00 p.m. - 7:30 p.m. Wednesday/Thursday)

Saturday

Brunch: 10:30 a.m. - 2:00 p.m.
Lighter Fare: 2:00 p.m. - 4:00 p.m.
Dinner: 4:00 p.m. - 7:00 p.m.

FYRE (Food Court):

Open daily 10:30 a.m. - 12:00 a.m. (Saturday 4:00 p.m. - 12:00 a.m.)

Vulcan Express (Food Court):

Open daily 10:30 a.m. - 12:00 a.m.

Umami (Food Court):

Open Mon-Fri 10:30 a.m. - 8:00 p.m.

Sycamore Bistro (Herron Rec Center)

Wed-Fri 7:45 a.m. - 3:00 p.m.

Prime House (Student Center)

Wed-Fri 7:30 a.m. - 2:30 p.m.

Modeco (Student Center):

Wed-Fri 7:00 a.m. - 6:00 p.m.

Chick-fil-A Express (Student Center):

Wed-Sat 10:30 a.m. - 5:00 p.m.

For more details on each outlet and menus please visit the dining services website:

<https://www.aviserves.com/calv/index.html>

Please note: Outside food and drink are NOT allowed at the venue. Likewise, no heat sources such as coffee pots, microwave ovens, etc., are allowed in the pits. Teams and visitors may purchase food at any of the reasonably priced venues shown above on campus to bring into the Convocation Center if desired.

Lodging

Lodging is available by choosing the *FIRST* registration system:

[Awesome Hotel Accommodations for the Greater Pittsburgh Regional](#)

Other hotel options exist by searching online.

Nearby Hardware / Supply Stores

Brownsville Do it Best Hardware

3.1 miles
Grindstone, PA
(724) 785-4100

Coulson's Sales & Service

5.0 miles
Belle Vernon, PA
(724) 929-6535

Lowe's Home Improvement

3.4 miles
Belle Vernon, PA
(724) 930-7000

Williams Ace Hardware

5.0 miles
West Newton, PA
(724) 872-7783

Tractor Supply Co.

3.9 miles
Belle Vernon, PA
(724) 929-5200

Machine Shop

The machine shop is located in the Helsel building with staff onsite to help you with your machining needs. The shop is created for quick fixes and repairs. The Helsel building is located on the campus map between parking lot 7 & 8. Signs will be posted directing teams to the Helsel building at the event.

Practice Field

A full practice field is located on the loading dock of the Convocation center. The field will be available on a first-come, first-served basis.

Reserved Seats for VIP's

Reserved seats in mid-field are intended for VIP seating to have a view of the competition field. This area will be used by the Judges during opening and closing ceremonies. A few other seats will be reserved for Judge Match Observers. Please respect the judge seating reservations.

No other seats may be saved at any time. Seat saving devices will be removed.

Media Passes

Team Media – 2020 *FIRST* Robotics Competition - Greater Pittsburgh Regional

- The team will be issued one media badge at the beginning of the competition. The team will not be given a 2nd or a replacement badge.
- The Team Media person MUST queue up with the team. The badge must be visible.
- The Team Media person may move about the perimeter of the field outside of the carpet, except for the section in front of the scorekeepers when the team is on the playing field.
- The Team Media person is asked to be mindful of others, to keep out of the way of traffic, or may be asked to leave the area.
- The Team Media person may not coach others.
- The Team Media person is asked to please stay out of the way of Referees.
- The Team Media person needs to leave the area immediately following the match.
- If rules are not followed, the removal of a badge may be determined by the Head Referee or FTA.

We are asking each Team Media Person to submit 20 or so of his or her best images by 8:00 a.m. Saturday morning. Email the Regional Director at dfrownfelter@firstinspires.org.

Identify your images with your team number.

These images may be selected for use by *FIRST* for a slide show Saturday, so be creative! Variety and creativity are important, and we are truly looking forward to seeing your team images.

Team Ambassadors

If your team has students who would be great at talking with people, please have them sign up at Pit Admin. Each Ambassador will have a name tag with an Ambassador ribbon attached. The Ambassadors will take our VIP's and other guests on tours of the pits and should be prepared to answer questions about themselves, their team, and this year's competition. The Ambassador's welcome table will be located in the front entry on Friday and Saturday. Students will staff the table in shifts and won't be on duty for the whole competition.

Printed Roster

ALL teams must submit their Printed roster from Event Registration and all hard copy consent forms to ALL regional competitions that they attend. Please REMEMBER to bring these forms. Please include a phone number where the lead adult of the team may be reached in the event of an emergency.

Dean's List and Chairman's Awards Signup

Sign-up sheets with prescheduled team and student time slots for the Dean's List and Chairman's Awards will be available at Pit Admin. beginning Thursday noon. Time slots may be switched with another team or individual with agreement by both parties. See Pit Admin for details.

Safety Glasses

Safety glasses are required to be worn on and around the playing field and in the pit area per the 2020 Event Rules Manual. The pit area includes the walkway between individual pits. *FIRST* volunteers will not distribute safety glasses to teams this year. Please bring an adequate supply of safety glasses for your team and visitors you invite. Those without safety glasses are asked to enjoy the event in any areas where safety glasses are not required.

T-Shirts

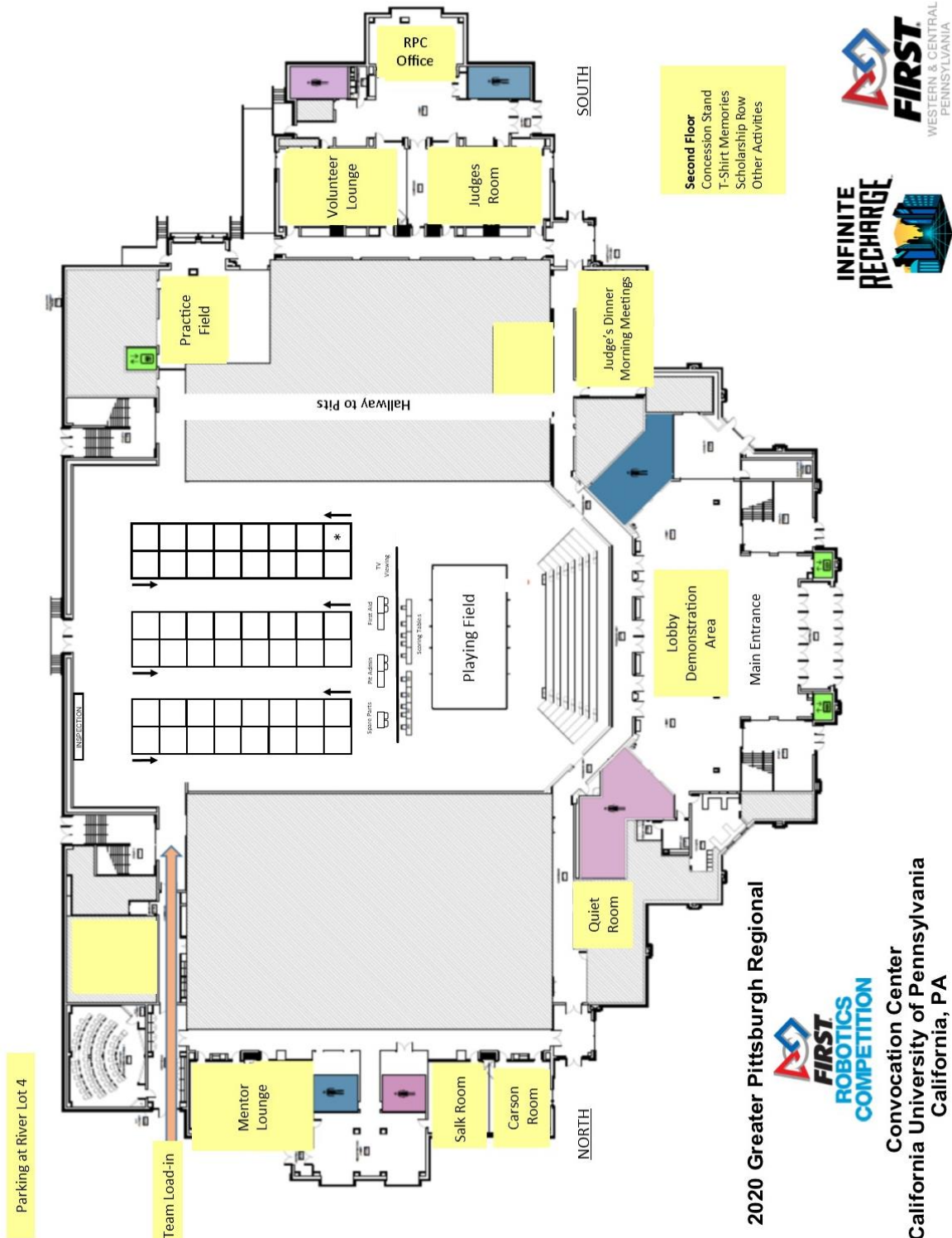
T-Shirts and other event apparel will be available on the second floor of the convocation center.

Participants of the Greater Pittsburgh Regional

Team Number	Team Name	Location
27	Team RUSH	Clarkston, Michigan, USA
117	The Steel Dragons	Pittsburgh, Pennsylvania, USA
144	The R.O.C.K	Cincinnati, Ohio, USA
217	ThunderChickens	Sterling Heights, Michigan, USA
291	CIA - Creativity In Action	Erie, Pennsylvania, USA
325	Respawn Robotics	Hamilton, Ohio, USA
337	Hard Working Hard Hats	Logan, West Virginia, USA
378	The Circuit Stompers	Newfane, New York, USA
451	The Cat Attack	Maumee, Ohio, USA
810	The Mechanical Bulls	Smithtown, New York, USA
862	Lightning Robotics	Canton, Michigan, USA
1708	AMP'D Robotics	McKeesport, Pennsylvania, USA
1743	Short Circuits	Pittsburgh, Pennsylvania, USA
1787	Flying Circuits	Cleveland, Ohio, USA
2051	The Beattie Bulldogs	Allison Park, Pennsylvania, USA
2053	TigerTronics	Endicott, New York, USA
2641	PCCR	Pittsburgh, Pennsylvania, USA
2656	Quasics	Monroeville, Pennsylvania, USA
3062	Spartan Robotics	Natrona Heights, Pennsylvania, USA
3201	Ross Rambotics	Hamilton, Ohio, USA
3260	SHARP	Pittsburgh, Pennsylvania, USA
3484	Short Circuit	Marysville, Ohio, USA
3504	Girls of Steel	Pittsburgh, Pennsylvania, USA
3539	The Byting Bulldogs	Romeo, Michigan, USA
3954	4-H Electrotechs	Emlenton, Pennsylvania, USA
4027	Centre County 4-H Robotics	State College, Pennsylvania, USA
4049	Knoch Knights Robotics	Saxonburg, Pennsylvania, USA
4050	Biohazard	Chambersburg, Pennsylvania, USA
4085	Technical Difficulties	Reynoldsburg, Ohio, USA
4145	WorBots	Columbus, Ohio, USA
4150	FRobotics	Murrysville, Pennsylvania, USA
4284	ScotBot4284	Cincinnati, Ohio, USA
4467	Titanium Titans	Canonsburg, Pennsylvania, USA
4521	Harrison Robotics	Harrison, Ohio, USA
4547	WestyTek	Johnstown, Pennsylvania, USA
4991	Horsepower	Bridgeville, Pennsylvania, USA
5413	Stellar Robotics	Shelby, Ohio, USA
5740	Trojanators	Cranberry Township, Pennsylvania, USA
5811	BONDS	Dayton, Ohio, USA
6032	Pirate Robotics	Dayton, Ohio, USA
7165	Perkins Pirates	Sandusky, Ohio, USA
7460	Avi and Friends	Sylvania, Ohio, USA
7515	Dark Side Robotics	Parkersburg, West Virginia, USA
7670	Highlanders	Claysville, Pennsylvania, USA
8027	Not the Droids You Are Looking For	Sharon, Pennsylvania, USA
8133	JayBots	Jeanette, Pennsylvania, USA

Venue Floor Plan

Team Pit designations will be assigned from the lowest team number to highest team number beginning with the booth marked with an *, and will serpentine through the pits shown by the arrows. Teams will receive the final floor plan upon arrival to the event.



2020 Greater Pittsburgh Regional



Convocation Center
California University of Pennsylvania
California, PA

2020 Greater Pittsburgh Regional Activity Schedule

Competition Schedule

Wednesday	
6:00PM-8:00PM	5 Team Reps to Load In

Thursday	
7:45AM	5 Team Reps to Load In
8:30AM	Pits, Machine Shop, Registration and Inspection Open
9:00AM-11:00AM	Driver's Meeting, Field Open for Measurement and Calibration
11:00AM-12:00PM	Lunch
12:00PM-6:30PM	Practice Matches
8:00PM	Pits and Machine Shop Close Teams exit the building

Friday	
8:00AM	Pits and Machine Shop Open
8:30AM-9:00AM	Opening Ceremonies
9:00AM-12:00PM	Qualification Matches
12:00PM-1:00PM	Lunch
1:00PM-5:45PM	Qualification Matches
5:45PM-6:15PM	Awards Ceremony
~6:30PM**	Pits and Machine Shop Close immediately after Awards Ceremony Teams exit the building

Saturday	
8:00AM	Pits and Machine Shop Open
8:30AM-9:00AM	Opening Ceremonies
9:00AM-12:15PM	Qualification Matches
12:15PM-12:30PM	Alliance Selections
12:30PM-1:30PM	Lunch
1:30PM-4:30PM	Playoff Matches
4:30PM-6:00PM	Awards Ceremony
6:30PM	Pits Close immediately after Awards Ceremony. Teams exit the building

Team Activities Schedule

Thursday	
8:30AM-4:00PM	Homework Study, Carson Room
	Quiet Room is available. See Pit Admin if a quiet room is desired
11:00AM-12:00PM	<i>FIRST</i> Ladies Meet-Up, Mentor's Lounge, Bring your lunch
1:00PM-2:00PM	PACT Advocacy Workshop, Mentor's Lounge
2:00PM-3:00PM	Chairman's Exchange, Mentor's Lounge

Friday	
8:00AM-6:30PM	T-Shirt Memories, 2nd Floor
	Quiet Room is available. See Pit Admin if a quiet room is desired
10:00AM-4:00PM	Robotics Club Demonstration, Lobby
11:00AM-3:00PM	Scholarship Row, 2nd Floor
12:15PM-1:00PM	Mentor Meeting, Mentor's Lounge, Bring your Lunch
5:40PM	Mentor Parade, Playing Field

Saturday	
8:00AM-6:30PM	T-Shirt Memories, 2nd Floor
	Quiet Room is available. See Pit Admin if a quiet room is desired
10:00AM-12:00PM	<i>FIRST</i> LEGO League Jr., <i>FIRST</i> LEGO League, and <i>FIRST</i> Tech Challenge Demonstration, Lobby
10:00AM-1:00PM	Scholarship Row, 2nd Floor
10:00AM-4:00PM	Robotics Club Demonstration, Lobby
12:10PM-12:15PM	Mascot Parade, Playing Field
12:30PM	Senior Photo, Playing Field

****Schedule subject to change.** All times are estimated based on flow of rounds. See Pit Administration table for updated times.

Activities

Homework Study

We understand your sacrifice to be at *FIRST* Robotics Competitions during school hours, and realize your efforts to juggle your schedules. The Carson Room will be available for students to use to study Thursday, 8:30 a.m. to 4:00 p.m. Please use Gracious Professionalism in the Homework Study as students need a quiet place to complete their assignments. A sign-up sheet will be located at the Pit Admin table for Mentors to volunteer overseeing the Homework Study room in two-hour intervals.

Quiet Room

The Quiet Room has been created to be a quiet, relaxing space intended to help team members with lower sensory limits to unwind from the competition. Please see Pit Admin if a quiet room is desired.

FIRST Ladies Meet-Up

Team 3504, Girls of Steel, is hosting the *FIRST* Ladies Meet-up in the Mentor's Lounge, Thursday, 11:00 a.m. - 12:00 p.m. Tables will be available for you to bring your lunch. All are invited to attend a discussion with a Panel of Women in STEM including Elizabeth Amato, Engineer at Google; Aubrey Kalashian, Graduate Student in Robotics at Carnegie Mellon University; Zeynep Temel, Professor of Robotics at Carnegie Mellon University; and Brianna Watt, Engineer at Aurora.

PACT Advocacy Workshop

Team 5740, The Trojanators, is hosting a PACT Advocacy Workshop in the Mentor's Lounge, Thursday, 1:00 p.m. - 2:00 p.m.

PACT is empowering students across Pennsylvania to be a voice to improve state funding for STEM related programs. The workshop will explain the importance of advocacy and discuss how teams can be more involved with local and state governments.

Scholarship Row

Please join us at Scholarship row Friday, 11:00 a.m. to 3:00 p.m. and Saturday, 10:00 a.m. to 1:00 p.m. on the second floor of the Convocation center. More than \$80 million of scholarship funds is available to *FIRST* members. Meet some of the colleges who offer these scholarships as well as gather information on other scholarship opportunities and see what is available from our host site, California University.

Chairman's Exchange (ChEx)

Teams 3260, SHARP, and 3504, Girls of Steel, are hosting the Chairman's Exchange, in the Mentor's Lounge, Thursday, 2:00 p.m. to 3:00 p.m.

The Chairman's Exchange (ChEx) was created by *FIRST* Robotics Competition Team 2486, the CocoNuts, in 2012 and was first implemented at the Phoenix Regional in 2013. Since then, ChEx has been hosted at multiple regionals and the World Championship in 2013-2018. ChEx is an opportunity for Chairman's Teams to get together to practice their presentations and Q & A. It can also be a great source of ideas for teams who would like to apply for the Chairman's Award in the future. ChEx has been very successful so far, with more than an estimated 100+ teams attending ChEx events in the past three years.

Teams may sign up to attend the Chairman's Exchange at either 3260 or 3504 pits.

Mentor's Meeting

The Mentor's Meeting is scheduled for Friday, 12:15 p.m. to 1:00 p.m. in the Mentor's Lounge. Tables will be available for you to bring your lunch for a "Town Hall" meeting. Mentors, coaches, and parents of all teams are welcome to attend.

Mentor's Parade

The Mentor's Parade is scheduled for Friday, around 5:40 p.m., around the playing field between Qualification Matches and the Awards Ceremony.

[FIRST LEGO League, Jr., FIRST LEGO League, and FIRST Tech Challenge Demonstration](#)

Area teams from *FIRST LEGO League, Jr.*, *FIRST LEGO League*, and *FIRST Tech Challenge* will host a demonstration of this year's robots in the Lobby of the Convocation Center, Saturday, 10:00 a.m. to 12:00 p.m. After the demonstration they are invited to join the fun, walk through the pits, and watch the rest of the event. We welcome these teams to see what we do in the *FIRST* Robotics Competition.

[CalU Robotics Club Display](#)

The CalU Robotics Club will have a display a few of their projects and designs for team members and their families to see, Friday and Saturday, 10:00 a.m. to 4:00 p.m. The display of projects offers a broad look into careers in STEM and possibilities of the future.

Saturday at 10:00 will also feature a "Dismantle Derby" where participants may take apart discarded electronics to see what's inside. Donations of electronics are greatly appreciated. The Dismantle Derby will continue until 4:00 p.m. or when we run out of parts to dismantle.

[Mascot Parade](#)

The Mascot Parade is scheduled for Saturday around 12:10 p.m., around the playing field between Qualification Matches and Alliance Selections.

[Senior Photo](#)

The Senior Photo will be taken soon after Alliance Selections Saturday around 12:30 p.m., on the playing field.

[Messages to Margaret](#)

Mrs. Margaret Flowers, is an amazing lady and had been a strong influence of the late Woodie Flowers for many, many years. To honor Woodie and Margaret, we will have a box at Pit Admin where all may send a message to Margaret to let her know how much we are grateful for her contribution to *FIRST* and to let her know how Woodie has influenced our lives.

WiFi Availability

Wifi will be available for participant use. While interference hasn't been an issue in past events, wifi availability may be discontinued in the event that wifi use interferes with field communication.

Per the 2020 Event Rules Manual:

Teams may not set up their own 802.11a/b/g/n/ac/ax (2.4GHz or 5GHz) wireless communication (e.g. access points or ad-hoc networks) in the venue.

Participants may not interfere, attempt to interfere, or attempt to connect with any other team or FIRST wireless communication except as expressly allowed for purposes of communicating with their team's ROBOT on the FIELD or Practice Field.

Event Rules Manual

The official FIRST Robotics Competition Event Rules Manual may be found at:

<https://firstfrc.blob.core.windows.net/frc2020/EventRules/EventRulesManual.pdf>

Please note: The schedule, activities, team participation, and items in this handbook are subject to change. All times are estimated based on flow of rounds. We'll do our best to keep you informed of changes or additions. Please contact Daphne Frownfelter, Regional Director, Western and Central PA *FIRST* if you have any questions or concerns <dfrownfelter@firstinspires.org>, 610-401-4310.