



# Utah Regional FRC Team Guide

March 8-11, 2017

Maverik Center

3200 S Decker Lake Dr., Salt Lake City, UT 84119





# MAVERIK CENTER

The 2017 Utah Regional *FIRST* Robotics Competition will be held at the Maverik Center in West Valley City. The Maverik Center is home to the Utah Grizzlies, Salt Lake City's hockey team, as well as a premier venue for concerts, trade shows, conferences, and competitions like ours! Other highlights:

- Admission is free and open to the public;
- Free and ample parking;
- All spectators will be afforded unobstructed views of the playing field;
- Convenient location to malls, restaurants, hotels, and major interstates;
- Easily reached by public transportation via UTA and/or TRAX;
- Wheelchair accessible and fully compliant with all ADA requirements.



## Robot Drop Off

Robots must be dropped off in the loading zone on the Northwest side of the Maverik Center. Please follow the arrows on the map (left) for robot drop off. Each team will have **ten minutes** to unload their robot and bring it to their designated place inside the event center.

Please be courteous. Follow the arrows and do your best to stick to the ten-minute time allotted for each team. This is the route the staff at the Maverik Center has designated for our event. This should provide a smooth flow so all of our teams, volunteers, and event staff have a great time at the 2017 Utah Regional



# GETTING THERE

## Public Transportation

The TRAX light rail route to West Valley City is complete. The Decker Lake Drive TRAX Station is across the street from the Maverik Center.

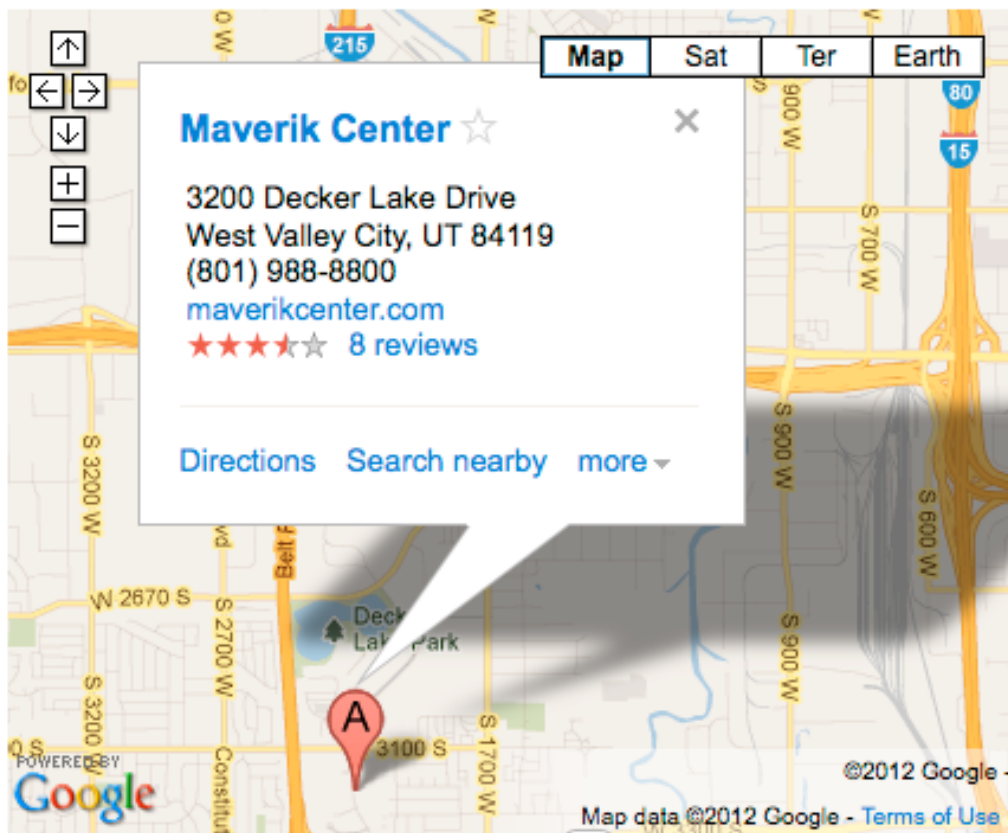
UTA buses and TRAX are 100% accessible for riders with disabilities. Drivers are happy to help you board and travel safely to your destination.

For TRAX schedules and UTA bus routes, visit: [www.rideuta.com](http://www.rideuta.com).



## By Car

The Maverik Center is located on Decker Lake Drive in West Valley City. Take I-215 and get off on the 3500 South Exit and head east (toward the big mountains). Take the 1<sup>st</sup> left on Decker Lake Drive. Turn left. Turn left. Destination will be on the right.





## 2017 Utah Regional Schedule

### Competition Schedule

### Activities Schedule

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

Thurs, March 9	
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-6:30 PM	Practice Matches
8:00PM	Pits and Machine Shop Close

Friday, March 10	
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
7:00PM**	Pits and Machine Shop Close immediately following Closing Ceremonies

Saturday, March 11	
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	Final Rounds
4:30PM-6:00PM	Awards Ceremony
6:30PM	Pits Close

Thurs, March 9	
1:00PM-4:00PM	Scholarship Row/Friends of Stem

Friday, March 10	
9:00AM-4:00PM	Scholarship Row/Friends of Stem
9:00AM-Noon	School Tours
1:00PM-5:00PM	School Tours
9:30AM-12:00PM	FLL/FTC Demonstration
7:00PM-9:00PM	Social Event at the Leonardo. All are welcome! Teams, Family, Volunteers, Mentors, Coaches, etc...

Saturday March 11	
8:30AM-12:00PM	Jr. Invited Guest Event
9:00AM-12:00PM	Scholarship Row/Friends of Stem
11:00AM-12:00PM	Invited Guest Pit Tours
9:30AM-2:00PM	FLL/FTC Demos
12:30PM-1:30PM	Invited Guest Lunch
1:30-3:30PM	Invited Guest Lounge
4:30 PM	FTC/FLL recognition

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



# FIRST ROBOTICS COMPETITION SOCIAL

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**Friday, March 10th  
6-10 pm**

The Leonardo is pleased to welcome FIRST Robotics Competition teams to Utah! FRC team members, mentors, volunteers, and families are invited to a competition social at The Leonardo Museum.

Tickets include admission to the social, dinner, drinks, and general admission to the museum. The Leonardo is accessible from the Maverick Center by the Utah Transit Authority TRAX line.

For information about reservations, please contact Lola Reyes (lreyes@theleonardo.org).

**\$15 | RSVP now at <http://bit.ly/utfrcsocial17>**

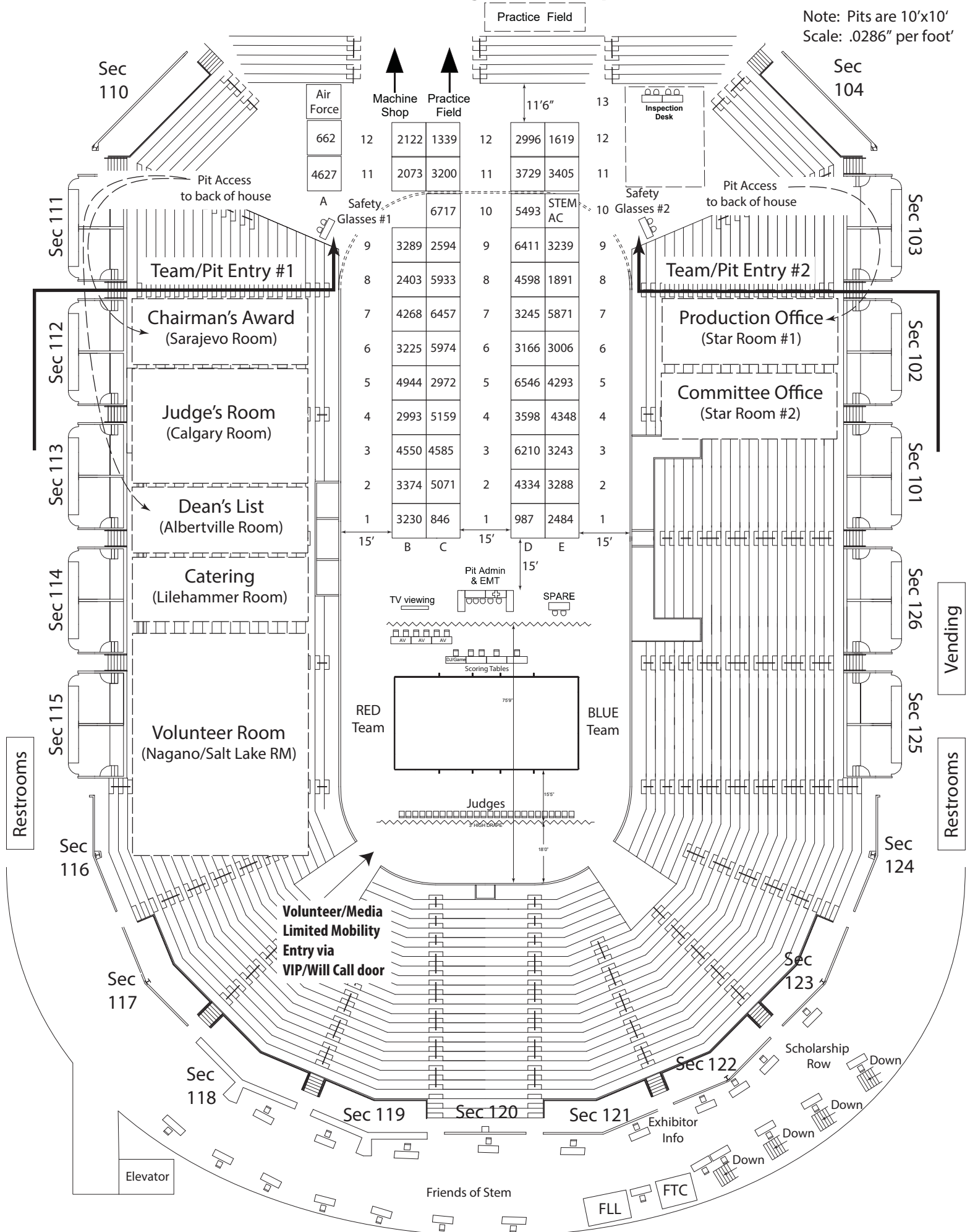
*Purchase tickets soon! Prices increase on March 3rd.*





## 2017 Utah Regional FRC Map

Note: Pits are 10'x10'  
Scale: .0286" per foot'



# 2017 Utah Regional FIRST Regional Event

## Team Pit Assignments

Team	Team Name	City	State	Country	Column	Row	Returning from 2016?
662	Rocky Mountain Robotics	USAF Academy	CO	USA	A	12	
1339	AngelBotics	Denver	CO	USA	C	12	
1619	Up-A-Creek Robotics	Longmont	CO	USA	E	12	
1891	Bullbots	Meridian	ID	USA	E	8	Yes
2073	EagleForce	Elk Grove	CA	USA	B	11	
2122	Team Tators	Boise	ID	USA	B	12	
2403	Plasma Robotics	Mesa	AZ	USA	B	8	
2484	Team Implosion	Woods Cross	UT	USA	E	1	Yes
2594	Naskcorpions	Nampa	ID	USA	C	9	Yes
2972	RC Dawson	Lafayette	CO	USA	C	5	
2993	InTech MegaBots	Logan	UT	USA	B	4	Yes
2996	Cougars Gone Wired	Colorado Springs	CO	USA	D	12	
3006	Red Rock Robotics	Salt Lake City	UT	USA	E	6	Yes
3166	First Year Ravens	Sandy	UT	USA	D	6	Yes
3200	Raptacon	Aurora	CO	USA	C	11	
3225	Wolverine Robotics	West Valley City	UT	USA	B	6	Yes
3230	PrototypeX	Salt Lake City	UT	USA	B	1	Yes
3239	Birds of Prey	Layton	UT	USA	E	9	Yes
3243	Amperes	Salt Lake City	UT	USA	E	3	Yes
3245	Ravens	Sandy	UT	USA	D	7	Yes
3288	Punchers	Big Piney	WY	USA	E	2	Yes
3289	Soaring Eagle	Draper	UT	USA	B	9	Yes
3374	RoboBroncs	Jackson	WY	USA	B	2	Yes
3405	Eaglebots	Spanish Fork	UT	USA	E	11	
3598	SEStematic Eliminators	Sacramento	CA	USA	D	4	
3729	The Raiders	Aurora	CO	USA	D	11	
4268	Beehive Robotics	Sandy	UT	USA	B	7	Yes
4293	Komodo	Highlands Ranch	CO	USA	E	5	
4334	Alberta Tech Alliance (ATA)	Calgary	AB	Canada	D	2	Yes
4348	Bonneville Bots	Tooele	UT	USA	E	4	Yes
4550	Something's Bruin	Greenwood Village	CO	USA	B	3	
4585	Husky Robotics	Midvale	UT	USA	C	3	Yes
4598	ICARUS INNOVATED	Sandy	UT	USA	D	8	Yes
4627	Manning Robotics	Calgary	AB	Canada	A	11	
4944	The Hi Fives	Grand Junction	CO	USA	B	5	Yes
5071	Chargers	Draper	UT	USA	C	2	Yes
5159	Bengal Robotics	Salt Lake City	UT	USA	C	4	Yes
5493	SMAbotics AG	Englewood	CO	USA	D	10	
5871	Chickadees	Boise	ID	USA	E	7	
5933	JudgeMent Call	Salt lake City	UT	USA	C	8	Yes
5974	Mechanical Dragons	Salt Lake City	UT	USA	C	6	Yes
6210	The Dragons Lair	Salt Lake City	UT	USA	D	3	Yes
6411	Jordan High Gravediggers	Sandy	UT	USA	D	9	
6457	Roots Charter High School	West Valley City	UT	USA	C	7	
6546	Jaguars	Aneth	UT	USA	D	5	
6717	SPARTANS	Castle Dale	UT	USA	C	10	
846	The Funky Monkeys	San Jose	CA	USA	C	1	
987	HIGHROLLERS	Las Vegas	NV	USA	D	1	



## NEARBY NEEDS

### Radio Shack

**Valley Fair Mall**

**3601 South 2700 West**

**West Valley City, UT 84119**

Head east from the Maverik Center (toward the big mountains). Turn right toward 3100 South. Turn left onto 3100 South. Take the 2<sup>nd</sup> left onto 2700 West/Constitution Blvd. Turn left. Turn right. Destination will be on the left. Distance: 1.5 miles, 6 minutes.

### RA-Elco Inc.

**2780 South Main Street**

**South Salt Lake, UT 84115**

Head east from the Maverik Center (toward the big mountains). Turn right toward Decker Lake Drive. Turn right onto Decker Lake Drive. Turn left onto 3500 South. Continue onto 3400 South. Continue onto 3300 South. Turn left onto Main Street. Destination will be on the left. Distance: 4.3 miles, 11 minutes.

### Home Depot

**328 W. 2100 S. Expy.**

**Salt Lake City, UT 84115**

Head east from the Maverik Center (toward the big mountains). Turn right toward Decker Lake Drive. Take the 1<sup>st</sup> right onto 3100 South. Turn left at the 1<sup>st</sup> cross street onto Redwood Road. Turn right onto 2100 South. Make a Uturn at 300 West. The Home Depot will be on the right. Distance: 4.9 miles, 13 minutes.

### Lowe's Home Improvement

**469 West 4500 South**

**Murray, UT 84123**

Head east from the Maverik Center (toward the big mountains). Turn right toward Decker Lake Drive. Turn right onto Decker Lake Drive. Turn left onto 3500 South. Continue onto 3400 South. Continue onto 3300 South. Slight right to merge onto I-15 Southbound toward Las Vegas. Take exit 301 for 4500 South. Keep right at the fork, follow signs for Taylorsville and merge onto 4500 South. Destination will be on the left. Distance: 4.8 miles, 10 minutes.

### Valley Fair Mall

**3601 South 2700 West**

**West Valley City, UT 84119**

Head east from the Maverik Center (toward the big mountains). Turn right toward 3100 South. Turn left onto 3100 South. Take the 2<sup>nd</sup> left onto 2700 West/Constitution Blvd. Turn left. Destination will be on the right. Distance: 1.4 miles, 6 minutes.

# RESTAURANTS

There are many restaurants around the Maverik Center. Most of the restaurants are south of the event center, towards 3500 south, including Cracker barrel, Training Table, Chili's, Greek Souvlaki, Café Silvestre, Don Antonio's Mexican, and many others. The Valley Fair Mall also hosts numerous restaurants and activities in and around the mall.

# JUDGES

Mr. Jody Bailey, CTO, Pluralsight

Mr. Mike Bohn, Attorney, Patent Law Works

Dr. Paul Cherry, Senior Technical Fellow, L-3 Technologies

Dr. Mark Colton, Professor, Brigham Young University, Mechanical Engineering

Mr. Christopher Hirschi, Principal Mechanical Engineer, Sarcos

Ms. Jen Jacobsen, Mechanical Engineering Supervisor, L-3 Technologies

Dr. Jed Marti, Chief Scientist, Artic LLC

Mr. Wayco Scroggin

Mr. Glenn Terry, Tooling Engineer, Boeing

Dr. David Warren, Research Professor, University of Utah, Bioengineering

Ms. Martha Wiley, Sustaining Engineering Manager, Bard Access Systems

Mr. Kurt Williams, Founder, CTO, Hapria

Mr. John Young, Electro-Mechanical Engineer, Utah Transit Authority

Mrs. Priscilla Zawislak, Global Regulatory Affairs Manager, Ashland, Inc.

# VOLUNTEER WISH LIST

FIRST volunteers play a significant role in the success of the organization while demonstrating the importance of Gracious Professionalism at all times. Volunteers who support FIRST Program Events have the unique and exciting opportunity to watch our young participants learn, invent and collaborate while having competitive fun.

Parents, mentors and team members are invited to volunteer in advance of the competition. Please visit our volunteer page at <http://www.utfrc.utah.edu/volunteer> for volunteer roles and responsibilities. Early registration handled through the Volunteer Information Management System (VIMS) increases first and second choice role opportunities. All volunteers through VIMS will receive follow-up confirmation of role assignment and training as relevant.

## Of special need:

- Social Media Attendants – assign at least one member of the team to represent your team on facebook and like the Utah Regional FRC facebook page. Post updates throughout your team's competition journey before, during and after the competition, which Utah Regional will in turn follow, like and share.
- Volunteer Check-in Table Attendant – we would love help checking volunteers in. Someone with a welcoming personality that is ok getting volunteers stared is great. Some computer skills required for printing badges, but it is straight forward. Check-in runs all day, but volunteers can work in shifts, so it doesn't have to be an all-day commitment. Early birds are appreciated for the 7am check-in shift!
- Teams are invited to send your web site link to [utfrc@utah.edu](mailto:utfrc@utah.edu) to be posted on the Utah Regional FRC site.
- Ambassadors – team members interested in being a Utah Regional FRC Ambassador can register online or at the Pit Admin desk starting on Thursday morning. There are several schools, scouting, and VIP groups planned for Friday and Saturday, for which we will train you as tour guides. Be prepared to share your personal experience participating on a FRC team.
- Crowd Control – Volunteers are needed to be sure that participants and visitors stay safe. Assignments can be in shifts, so your help for a few hours would be appreciated!
- Volunteers to help build the field Wednesday starting at 1:00 pm until completed. Please email [utfrc@utah.edu](mailto:utfrc@utah.edu) if this is something you are interested in helping with.
- Team suggestions to help Utah Regional FRC continue to improve can be sent to [utfrc@utah.edu](mailto:utfrc@utah.edu).

# UTAH REGIONAL KEY CONTACTS

The following individuals are either able to address or direct your questions or concerns to the proper person. You will find the Organizing Committee complete list at:

<http://www.utfrc.utah.edu/committee>

FIRST Utah Regional Director: **Richard Anderson** [randerson@firstinspires.org](mailto:randerson@firstinspires.org)

Utah Regional Chair and Co-Volunteer Coordinator: **Mark Minor, Ph.D.**, [mark.minor@utah.edu](mailto:mark.minor@utah.edu)

Utah Regional Co-Volunteer Coordinator and Scholarship Row Coordinator: **Joy Velarde**,  
[joy.velarde@utah.edu](mailto:joy.velarde@utah.edu)

## THANK YOU

### **Everyone who is involved with *FIRST*, Thank You!**

Coaches, parents, teachers, friends, family, the organizing committee, all of our volunteers, our sponsors, our donors, the event center staff, and especially the team members – we couldn't have done it without you! Thank you for all of the hard work you have dedicated to making the 2017 Utah Regional *FIRST* Robotics Competition possible. Congratulations to all of our teams in getting this far, and good luck at the regional!



## SPONSORS

Thank you to all of our sponsors. Through your generous support and contributions, you have made Utah's 2017 Regional FIRST Robotics Competition possible.

### *Leader in Technology*



### *Friend of the Future*



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