



Workshop & Panel Schedule

Saturday, October 13

SESSION 1 6:10pm-6:50pm	SESSION 2 7:00pm- 7:40pm
Classroom 1 Match Predictions & Strategy for Success Gary Hedge- Team 3476	Classroom 1 Sustainable Business Tactics for FRC Dimple Ravuri- Team 1671/6072
Classroom 2 How to Design the Right Robot Patrick Youssef- Team 1671/3476	Classroom 2 Design from Different Perspectives Teams 3309, 4276, and 2659 <i>Moderator:</i> Patrick Youssef
Classroom 3 Outreach, Metrics, and You Nick Hammes- Team 254	Classroom 3 Scouting 101 Brian Romero, Javier Serna, Jesse Lopez Team 5012
Classroom 4 Prototyping: Setting your Team Up for Success Pauline Tasci- Team 2659	Classroom 4 CNC Machining for FRC Shahe Der Haroutunian- Team 1671
Classroom 5 FRC Pneumatics Andrew Keisic	Classroom 5 Gear Ratios Andrew Keisic
Field Panel *Located on the field in the gym Drive Team + In Match Strategy <i>Panelists:</i> Shane Palmerino (Team 330) Jeremy Germita (Team 5012) Kenny Sandon (Team 3309) <i>Moderator:</i> Aidan Ferrer	Field Panel *Located on the field in the gym Being a More Effective Mentor <i>Panelists:</i> Richard Medina (Team 968) Tom Zook (Team 4276) Jeremy Germita (Team 5012) <i>Moderator:</i> Pauline Tasci



October 13, Session 1 (6:10 pm-6:50 pm)

Workshop/Panel	Description
<i>Match Predictions & Strategy for Success</i>	<i>"Strength of Schedule" - The event match Schedule can be lucky or unlucky for each team, but the strategy you use based on that can overcome a tough schedule or take advantage of an easy schedule. Examples of developing both your match and picking strategies. Links to Internet resources will be given.</i>
<i>How to Design the Right Robot</i>	<i>Having a tough time choosing the right design for your team each season? Feel like you should have done a more simple robot or that you could of done more? Come to this workshop to learn how to design the right robot for your team to come out winners!</i>
<i>Outreach, Metrics, and You</i>	<i>Do you approach outreach with the same rigor you approach design? Do your outreach goals match your organizational priorities? How do you know how successful your outreach is? Join me, and let's quantify.</i>
<i>Prototyping: Setting your Team Up for Success</i>	<i>Want to hit the ground running next kickoff? Gain a better understanding on how to approach each year's challenge through game analysis, prototyping, testing, and communicating your findings.</i>
<i>FRC Pneumatics</i>	<i>Explains the theory and application to setup a pneumatic pistons for linear and rotary motion. Attendees will learn how to choose the correct piston, how to place the piston in CAD and how to plumb the pneumatic lines to control speed.</i>
<i>Drive Team + In Match Strategy Panel</i>	<i>This panel features drive coaches who will speak in depth on everything and anything with drive team and in match strategy. This panel is complete Q&A from live audience as well as those watching the live stream.</i>

October 13, Session 2 (7:00 pm-7:40 pm)

Workshop/Panel	Description
<i>Sustainable Business Tactics for FRC</i>	<i>Learn how to create a sustainable business plan and "company" out of your robotics team. We highly recommend this workshop to new teams or teams struggling to create sustainable teams.</i>
<i>Design from Different Perspectives</i>	<i>Students and mentors from award winning teams of 3309, 4276, and 2659 will discuss how they approach design with the resources they have. The moderator will also be taking questions from the audience, come with questions prepared!</i>
<i>Scouting 101</i>	<i>Alliance formation can make or break your matches - find out how to gather better data and make more educated choices on your partnerships!</i>
<i>CNC Machining for FRC</i>	<i>Want to learn more about about advanced machining for FRC? Need resources on how to make your team ensure you make parts with quality? Want to win some awesome CNC tools from Southern California's top Manufacturing companies? Then this workshop is for you!</i>
<i>Gear Ratios</i>	<i>Explains the theory and application of motors and how to calculate the proper gear ratio for an application. Attendees will learn the governing equations of motors as well as how to use the presenter's custom design Excel workbook to optimize gear ratios.</i>
<i>Being a More Effective Mentor Panel</i>	<i>This panel features 3 incredible mentors who are all at different stages in their mentoring career. They will speak in depth on their journey to becoming an effective mentor.. This panel is complete Q&A from live audience as well as those watching the live stream, come with questions prepared!</i>