



Team 1718 Presents

The *FIRST* Robotics Michigan State Championship Seminar Series

Thursday, April 14th, 2016

Starting At 8:30am

The DeltaPlex Arena &
Conference Center



8:30am – 9:30am

Knowing Your Opponent: Learn scouting strategies and how to use Tableau for improved decision-making

This seminar will explain how to create metrics for scouting and how to make better and faster decisions using Tableau software.

Presented by: Team 2834, The Bionic Blackhawks, Bloomfield Hills, Michigan
Team member, Kevin Zheng & Coach, Andrew Raine

Kevin Zheng is a graduating senior on Team 2834 in charge of scouting and strategy for 3 years. Andrew Raine is a Program Manager at FCA and head coach of Team 2834.

9:30am – 10:30am

Strategy & Design Process – Strategizing the best way to play the game then determining the best robot design for your team to build.

This seminar will cover how to let strategy dictate the design of a robot. Topics include; analyzing a new game, correctly estimating what the best robots will do, translating this strategy to a robot design, and how to push the envelope while mitigating risk.

Presented by: Team 469, The LasGuerrillas, Bloomfield Hills, Michigan
Team member, Dan Kimura

Daniel is a 15 year mentor and former team lead of Team 469 who has been overseen the strategic direction and design requirements for the team.

10:30am – 11:30am

Fundamentals of CAD Design using Autodesk Inventor

Learn the advantages of CAD and utilizing Autodesk Inventor in the design of your robot. We will cover techniques on how to design, modify parts, rendering, converting to 2D drawings and exporting to other programs.

Presented by: Team 1718, The Fighting Pi, Armada, MI
Team CAD Captain, Victoria Fair & Mentor, Dennis Schmalzel

Team 1718's CAD team was started in 2014. Victoria is a 2nd year student member and this year's CAD Captain. Dennis is an engineer/designer/manufacture at Laminair Systems located in New Haven, MI. He has mentored the Fighting Pi in the art of CAD Design and Robot Development for the last 3 years.

11:30am – 12:30pm

Achieving the Chairman's Award and Diversifying Sponsorship Support

This seminar will show your team how to take your accomplishments and develop a Chairman's Award submission worthy of the judge's recognition. We will provide concrete tips, ideas, excellent resources, and answer any questions to help you build your Chairman's presentation. We will also focus on sponsorship acquisition and plans your team can take to diversify your sponsors and make your team more sustainable.

Presented By: Team 27, Team RUSH, Clarkston, MI
Team Mentor, Steve Hyer

Steve is a graduate of the University of Michigan and owns a website application development company. He has been a mentor on Team RUSH since 2006 and is lead mentor for team development of their Chairman's Award submission & presentation and sponsorship acquisitions. Steve also developed and runs the FIRST National Advocacy Conference in Washington, DC.