

[SymposiumAgenda](#) (FRC)

(Updated: 10/20/11)

[FLLWorkshopsAgenda](#) (FLL)

(Updated: 10/14/11)

[WorkshopDescriptions](#) (FRC + FLL)

(Updated: 10/20/11)

[Workshop Signup](#) (FRC + FLL)

The address for our school (as well as directions) can be found in [contact us](#).

Workshop Downloads:

Closing speaker:

[Chris Hadfield - Robotics Symposium](#) (ppt)

Chris Hadfield is a Canadian astronaut from the Canadian Space Agency (CSA) who was the first Canadian to walk in space. Hadfield has flown two space shuttle missions, STS-74 in 1995 and STS-100 in 2001. He has served as CAPCOM for both Space Shuttle and International Space Station (ISS) expeditions. He is currently training for a long duration stay onboard the ISS, which will include command of Expedition 35 in 2012-13. He will be the first Canadian to command the ISS. (bio courtesy of the [Canadian Space Agency](#))

FLL

Advanced Concepts

This workshop focuses on the advanced capabilities of the NXT-G software.

Best Practices for Building

Experienced FLL Coach - *This session dives into universal attachments, strong structures and modular designs.*

General Questions and Answers with FLL Director

Dave Ellis - *This session gave teams the chance to ask questions about FLL.*

The Light Sensor (ppt)

Covers how to program the light sensor to follow a line.

Open FLL Session

Sarah Sils - *This was a discussion for mentors to share ideas on improving the more challenging aspects of team building.*

[Organizing your team](#) (ppt)

Experienced FLL Coach - *This session will cover questions about running an FLL team.*

[Rookie Basics](#)

This workshop covers the basics of programming and strategy for those new to FLL.

[Using What You've Got](#)

This session focuses on how to improve game strategy and using walls and mission models to your advantage.

[FRC](#)

[7 steps to Robot Success with LabVIEW - Basic Level \(Enable Training and Consulting, Inc.\)](#)

Matt Paterson and Patrick Allen - *This session goes over the steps for programming in LabView to get your robot running.*

[A Basic Start to Wiring Your Robot \(771\)](#)

Angelique Sturino - *This hands-on session goes over basics such as stripping wires and making connections.*

[Animation: Tips to assist in the creation of an animation for FRC \(Sheridan College\)](#)

Avrim Katzman - *This workshop provides a how-to on how to create an Animation in Autodesk.*

[Basic – Programming your robot in C++ \(1503\)](#) (pdf)

Phillip Schrader - *This workshop allows participants to learn and try programming in C++.*

[Best Battery Practices \(781\)](#) (pdf)

Michelle LaPointe - *This session covers how to best care for your batteries to keep them running for years to come.*

[Bringing Your Robot to Life: Sim Style \(MapleSoft\)](#) (pdf)

Bonnie Yue - *This presentation covers how to simulate your robot design and the advantages on simulating your robot.*

[Computer Aided Design - CAD \(610\)](#) (pptx)

Rob Stehlik - *This covers how to use technology to design and build your robot on your computer.*

[Effective Strategies for FIRST Competitions \(1114\)](#) (pdf)

Karthik Kanagasbapathy - *This deals with the strategies a team can utilize while designing a robot, competition, scouting, and much more.*

[Electrical and Programming Tips and Tricks \(610\)](#) (pptx)

Shawn Lim - *This gives participants tips and tricks about electrical components to help get a better robot performance.*

[FIRST: The Key to Young Women exploring STEM \(3504\)](#) (pptx)

Jaden Barney, Rachel Round and Elizabeth Kysel - *This session covers the importance of women in science, technology, engineering and math.*

[Junior FIRST Lego League: Tips to starting your own team \(771\)](#)

Eryn Dickison and Aileen Yu - *This workshop goes over tips on starting a Jr. FLL team.*

[Mechanical Design \(1114\)](#) (pdf)

Ben Bennet - *This presentation deals with the basics of drivetrain design and how to get the most out of the basic kit of parts.*

[Mentor Mingle – Time to share ideas on how to make this season the best ever \(771\)](#)

Sarah Sils - *This session was for mentors to share ideas on how to make this the best season ever.*

[Outreach Tips: How your team can maximize community initiatives \(1334\)](#)

Laura Renton, Kate Rozumey, Sundas Aleem and Natalie Wainwright - *This session covers how to reach out into the community and spread the word of FIRST.*

[Social Media \(771\)](#) (ppt)

Karen Lee - *This workshop covers how to effectively utilize social media to better market your team and spread the message of FIRST.*

[Team Leader Discussion \(771\)](#)

Meghan Holloway - *This session gave team leaders a chance to get together and share and learn how to enhance their team.*

SWATZKI PRESENTS SYMPOSIUM '11



BAMA

POW

SWAT



WHEN:
October 22
9am to 4pm

WHERE:
SMUS
1080 Listerbrook Rd.
Durham, ON

WHAT:
 keynote speaker,
workshops, lunch, social
and MUCH MORE!

RSVP to
swat@swat.on.ca