



Workshops: Nov. 4 and Nov. 11, 2006

Agenda for each day is identical.

Participants are requested to pick one Session and stay with it for the entire event.

Each Session will schedule breaks of 10 minutes per hour to suit presentation material.

8:45 am Doors Open

9:00 am to 10:00 am – Topic –a-

10:00 am to 11:00 am – Topic –b-

11:00 am to noon – Topic –c-

12:15 pm all participants should be out of the building

## Session .1. Electrical: Cafeteria (LH Section): (60)

-a- Basic FIRST Robotics Electronics:: [Ronnie Tront](#)

-b- The Inputs and Outputs of the Robot Controller and Operator Interface:: [Ronnie Tront](#)

-c- Building a Robot Competition Dongle:: [Ronnie Tront](#)

NOTE: Participants should bring soldering tools, wire strippers, screwdriver, pliers, and other basic electrical tools for this session.

## Session .2. Mechanical: Main Auditorium: (60) (Projector available)

-a- Robot Construction:: [Ken Snodgrass / John Vukovich](#)

-b- Motors and Gearboxes:: [Ken Snodgrass / John Vukovich](#)

-c- Introduction to Small Tools and Safety:: [Alvin Carroll](#)

## Session .3. Programming I: Main Conference Room: (60) (Projector available)

-a- Introduction to C Programming :: [Bob Koehl](#)

-b- FIRST DEFAULT PROGRAM :: [Bob Koehl](#)

-c- Debugging using “printf” statements and the Dashboard Viewer. [Marvin Kraska / Bob Koehl](#)

## Session .4. Programming II: Cafeteria Conference Room: (30)

Participants are encouraged to bring laptop for the Chicken Aid session.

-a and b- Chicken AID Autonomous Programming :: [Mike Copioli and Omar Zrien](#)

-b and c- FIRST Camera and Vision software basics :: [Mike Copioli and Omar Zrien](#)

## Session .5. FIRST Documentation: Cafeteria (RH Section): (60)

-a- FIRST Boot camp (Discussion of the new FRC Manual):: [Ira Goldberg and Joe Horth](#)

-b- Kit of Parts Discussion:: [Ira Goldberg and Joe Horth](#)

-c- Awards (Good preparation for the Winter Challenge):: [Ira Goldberg and Joe Horth](#)

## Session .6. Pneumatics and Weight Management: Glass Conference Room (30)

-a and b- Pneumatics:: [Scott Simons](#)

-c- Weight Management:: [Ken Snodgrass / John Vukovich.](#)