

Second Annual **CCTS Space Coast Robotics Day**

FREE and open to the public

Saturday, October 5, 2013, 9AM-2PM

at Roosevelt Elementary School

1400 Minutemen Causeway, Cocoa Beach, FL 32931



Images from usfirst.org(left), and from 2012 Space Coast Robotics Day (all)

Calling all Students and Professionals

Explore the World of Competitive Robotics Competitions:

See What the Next Generation Can Do

Brevard County *FIRST*® Robotics Competition Demos

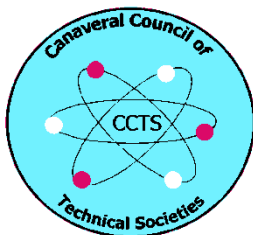
FIRST® Lego® League Open Practice

Florida Tech Lunabotics Mining Competition Exhibits and Speakers

Educational Workshops for High School Students

Visitors can come and go freely during the duration of the event.

Demonstrations and Activities will occur throughout the day. Families are encouraged. A particular emphasis of the event is to foster interaction between the Space Coast technical community and K-12 competitive robotics teams in Brevard County.

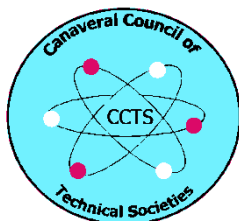


Barry University

NMA - FSCC

Supporting co-sponsors include: the Cape Canaveral Section of the American Institute of Aeronautics and Astronautics (AIAA), the NASA Alumni League (NAL) Florida Chapter; the International Council on Systems Engineering (INCOSE), Space Coast Chapter; the National Management Association (NMA) Florida Space Coast Council; Armed Forces Communications and Electronics Association (AFCEA) Canaveral Section; the North Florida Section, Association for the Advancement of Cost Engineering International (AACEi); and Barry University.

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Schedule of Activities^{*}

FIRST® LEGO® League Open Practice: Observe as teams of elementary students design, build and test working robots based on Lego® kits over the course of the day

FIRST® Robotics Competition and FIRST® Tech Challenge Demonstrations: High school teams will demonstrate their large-scale robots, including robotic Frisbee throwers. Hands-on interaction with the robots by participating audience members will be encouraged. Participating FIRST® Robotics Competition teams include the Cocoa Beach Jr/Sr High, Rockledge High, Viera High, Space Coast High **Pink Team**, 2013 Regional Finalist, 2013 Woodie Flowers Award winner, 2012 World Championship Finalist (second in World), and winner of numerous other awards; the Cocoa High School and Holy Trinity Episcopal Academy **Bionic Tigers**, 2013 Orlando Regional Entrepreneurship Award Winner and 2012 Orlando Regional Competition winner; the **Horsepower** Team representing Merritt Island including students from Merritt Island High, Edgewood Jr./Sr. High, Merritt Island Christian School, Jefferson Middle School, and home-schooled children, 2013 Alamo Regional Finals Alliance, and winner of the 2012 Panther Prowl Technical Award; and the Melbourne High School **Team Voltage**, 2013 South Florida Finalist. FIRST® Tech Challenge participation is by **Team 6232** representing Cocoa Beach Jr/Sr High, Rockledge High, Viera High, and Space Coast High, Winner of the 2013 PTC Design Award.

University Robotics: Students from Florida Institute of Technology will exhibit their entry from the 2013 Lunabotics Competition, and plans for the future.

TENTATIVE SCHEDULE

General:

9AM-9:10AM: Opening Remarks and Announcements (Atrium)

FLL and FLL Coach/Judge/Mentor Training

9:10AM-2PM: FLL Open Practice (Cafeteria) Open to all participants to observe all aspects of this process. Visitors will also have the opportunity to learn how to program a Lego® robot.

9:15AM-10AM+: Referee Training (Media Center) [of interest to FLL coaches and FRC team members who will help at tournaments]

10:30AM-11:30AM+: Judge Training (Media Center) [of interest to high school students, professional visitors, and other adults interested in judging at a FLL competition.]

12:30PM-1:30PM+: FLL Coach Training (Media Center) [of interest to FLL coaches]

FRC and FTC Team Demonstrations and College-Level Robotics Competition Demo

Participating teams will each make a 15-minute presentation of their team and competition robots. These demonstrations will be held in the Atrium area and are open for all event participants including FLL team members, professional members, and the general public. A detailed schedule will be provided on the day of the event.

10:30AM-11:30PM: FRC/FTC Feature demonstrations [3 sessions, teams TBD] (Atrium)

11:30AM-12:00PM: Lunabotics-Florida Tech Team Presentation/Demonstration (Atrium)

1:00PM-2:00PM: FRC/FTC Feature demonstrations [3 sessions, teams TBD] (Atrium)

Professional Development Seminars for High School STEM Students

Professionals and University Graduate Students will make presentations on various subjects. The primary audience is intended to be high-school age robotics team members, but other individuals are welcome to attend if space is available. A detailed schedule including short summaries of the sessions will be available on the day of the event and advance sign-up will be required. Each presentation will be approximately 15 minutes in length.

9:30AM-11:30AM: Workshops/Seminars by Professionals for the benefit of high school students. Schedule TBA (Classroom)

1:00PM-2:00PM: Workshops/Seminars by Professionals for the benefit of high school students. Schedule TBA (Classroom)

Throughout the day, high school and college teams will have their robots on display and will have students available for explanations

Concessions:

Lunch is offered for sale as a fundraiser. Pre-paid orders will be collected for whole pizzas (cheese or pepperoni) until 10:00AM on the day of the event. Pizza by the slice will be offered during the lunch break, while supplies last. Drinks and light snacks (chips, etc) will be available for sale throughout the event.