

Robofest e-Newsletter 07-02-20

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Note: All times are listed in EDT unless otherwise indicated.

(1) Online Summer Camp: ML(Machine Learning) for EV3 with Scratch

Friday, July 10, 2020, 9:00 am ~ Noon (through the Zoom Meeting app)

Team Size: up to 2 students (5th ~ 12th grade students)

Pre-requisite: at least one year of Lego EV3 and EV3 Software experience is required.

Each team must have an un-assembled EV3 kit with motors and all the standard sensors.

Team's laptop must have Bluetooth, camera, microphone, and Internet access.

Camp Learning Objectives:

- Learn the concept of Machine Learning (ML): Collect Data, Train, and Test
- Learn basic Scratch 3 to program Lego EV3 with sensors and motors
- Use the machine learning models trained to make EV3 apps in Scratch

Once registered in the Robofest Registration System, each coach will receive a Zoom online class form link by email.

https://www.robofest.net/rms/SharedPagesServlet?cmd=getGenericSiteWebPage&year=2020&location=Camp_ML_for_EV3_with_Scratch

(2) Robofest Wiki Page Has Been Updated / Robofest Notable Alumni Wanted

The Robofest Wikipedia Page has recently been updated: <https://en.wikipedia.org/wiki/Robofest>

We are looking to add Notable Alumni to the list, so please nominate yourself or others that should be listed. Send the request via email to robofest@ltu.edu.

(3) Robofest Class of 2020 Recognition Video Available

The group of 2020 High School Graduates and other Milestone achievements has been compiled into a video presentation at https://youtu.be/_Dh8LeKNtJw

If you would like to be added to the presentation, please email robofest@ltu.edu

(4) Updated Robofest World Championship Schedule

In lieu of in-person competitions, we will be hosting the **2020 Robofest Online World Championship (ROWC)** events using Zoom Webinars. Tentative start time of each event is 12PM GMT (Greenwich Mean Time) and tentative dates are:

Fri, Aug 28	Jr. UMC	Fri, Sep 25	Jr. BottleSumo, Time Trial
Sat, Aug 29	Sr. UMC	Sat, Sep 26	Sr. BottleSumo CL & UL, Time Trial
Fri, Sep 11	Jr. & Sr. RoboArts	Oct 2 and 3	No competitions
Sat, Sep 12	Sr. & College RoboMed	Fri, Oct 9	Jr. Game, GolfBowl (Updated)
Fri, Sep 18	Jr. Exhibition	Sat, Oct 10	Sr. Game, GolfBowl (Updated)
Sat, Sep 19	Sr. Exhibition	Sat, Oct 17	Award Ceremonies (Updated)

The Official Announcement Meeting was held on Tuesday, May 26, 2020 where we shared the detailed schedule, rule changes and updates for the events. The presentation slides link

<https://www.robofest.net/images/1920/rowcSlides.pdf>

can also be found under the "What's New" section on the robofest.net home page.

(5) Mock Event Videos Available (Added BottleSumo Time Trial)

To prepare for the ROWC, the Robofest team has been conducting Mock Online competitions using the Zoom Webinar platform. We have hosted Exhibition, Game and BottleSumo Time Trial events and prepared the following summary videos:

Mock Online "GolfBowl" Game Competition Video (12min): <https://youtu.be/TA5xW40grPo>

Mock Online "GolfBowl" Game Competition Video (29min): <https://youtu.be/dyRPhFOld0Q>

Mock Online Exhibition Competition Video (10 min version): <https://youtu.be/FkUmZZqOkJ0>

Mock Online Exhibition Competition Video (30 min version): https://youtu.be/b_b_o6_aMYk

Mock Online BottleSumo Time Trial Video (9 min version): <https://youtu.be/qpUGCMc32gQ>

Mock Online BottleSumo Time Trial Video (29 min version): <https://youtu.be/ftb7zTPeRko>

We have also posted the above videos to the robofest.net home page. If you have any comments or suggestions for improvements, please email robofest@ltu.edu

(6) Video Qualifier Opportunity Still Available

The due date for the USA Video Qualifier and International Video Qualifier submission has been extended to Monday **August 3, 2020** to allow teams to compete for a ticket to the rescheduled Online World Championship. Each registered team member will receive a participation medal and certificate, and trophies will be awarded to the top 20% of Video Qualifier teams. We hope that teams will strongly consider transferring their 2020 registration to Video Qualifier.

The teams that received the MCWT Foundation Grants must participate in the Video Qualifier to receive funds.

Teams currently registered for qualifiers that were canceled may request to transfer their registration to USA or International Video Qualifier by indicating their choice in the "Robofest 2020 Registration Option" Survey <https://forms.gle/YiAzYsBf4TYCKVTLA> New teams may also register.

(7) Robofest 2020 Overview Video Posted

Although the year looks different, we would like to recognize all the effort that has been made by the US and International Site Hosts. The 2020 Overview Video link can be found in the "What's New" section of the robofest.net home page.

(8) Robofest eAcademy Online Classes and Certification

There are several online classes in the Robofest eAcademy developed by Robofest instructors including: 2020 Game and 2020 BottleSumo using Vex IQ and RobotC language. There are also many EV3 classes available including 2020 Game, BottleSumo, and Exhibition. eAcademy classes have individual lessons, code samples, videos and tests for knowledge. More details can be found on the robofest.net website under "Tech Resources>eAcademy" <https://robofest.net/index.php/tech-resources/eacademy>

To build on the Robofest eAcademy we are offering EV3 Programmer Certification. To take the certification exam, you have to have an account on <https://www.schoolology.com/> and be enrolled in class code **QMKH-HZ3D-NW2KJ**. You then must score 90% or better on the first try of the 25-question certification test. We plan to add certification for other languages such as RobotC and Python in the near future. Complete details can be found on the Robofest.net website under "Tech Resources>Certifications" <https://robofest.net/index.php/tech-resources/certification>



(9) Coach Awards

We would like to acknowledge our coaches who have 5, 10, 15 and 20 years with Robofest as a coach! To submit your name, please send an email to robofest@ltu.edu with the subject *Coach Award*. Please include the coach name, all coach ID's, and number of years coaching. We will recognize these dedicated coaches at the World Championship Award Ceremonies.

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