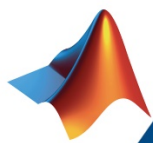


6 Week Webinar Series - May 5th through June 9th, Wednesdays 5pm Central

<http://bssp-online2021.eventbrite.com>

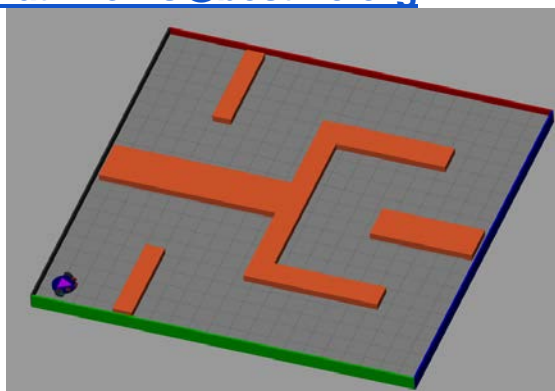
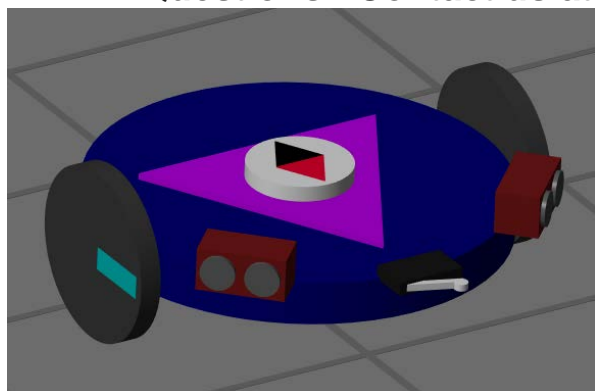
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BEST Robotics
Simulink Summer
Workshops - Online Series



MathWorks®

Questions? Contact us at mathworks@bestinc.org

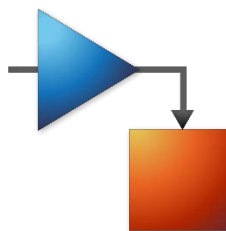


Learn how to program mobile robots for BEST Robotics using MATLAB and Simulink through this series of six 50-minute online classes held weekly. Each class will add on to the previous week's lesson, so it is recommended to attend all 6 classes. Time will be provided at the each of each class for Q&A. All are welcome to attend--no experience with MATLAB or Simulink are required.



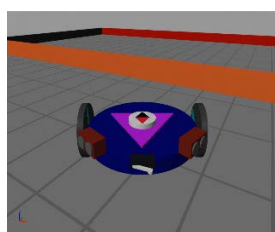
Class 1 (May 5th)

- * Introduction to programming using MATLAB
- * Programming basic robot movements



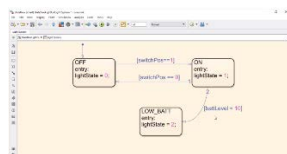
Class 2 (May 12th)

- * Introduction to robot simulations using Simulink
- * Programming interactive robot controls



Class 3 (May 19th)

- * Using a distance sensor for autonomy
- * Hardware basics
- * Hardware Demo - proportional motor control during obstacle detection



Class 4 (May 26th)

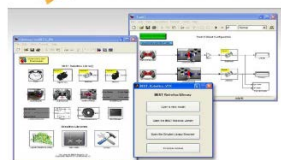
- * Creating custom functionality
- * Hardware Demo - External mode Robot Sensors and Actuators



Class 5 (June 2nd)

- * Task sequencing with flow diagrams using StateFlow
- * Hardware Demo - IR sensor line follower

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Class 6 (June 9th)

- * Programming of maze solving robots
- * Hands-on programming task

Request MATLAB & Simulink Software

[Request software for BEST Robotics teams here](#)

Install the software and install Robotics Playground from Add-ons Explorer

o Contact [technical support](#) with installation issues

o Contact roboticsarena@mathworks.com for any other showstoppers