

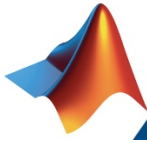
6 Week Webinar Series - May 24th through June 28th, Wednesdays 5pm Central

<http://2023-simulink-online.eventbrite.com>

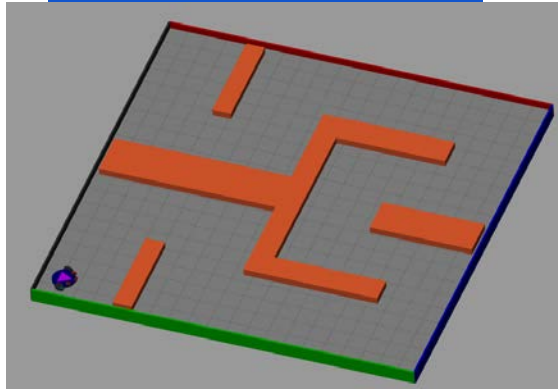
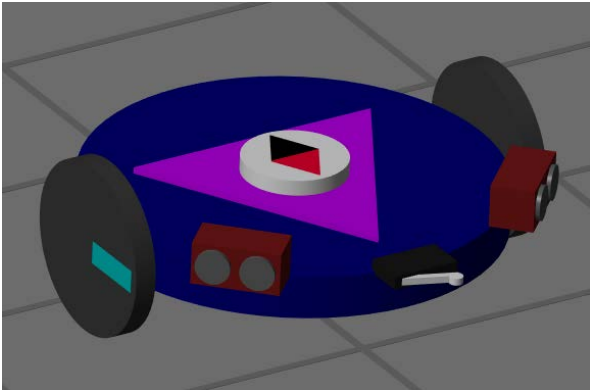
REGISTER HERE



BEST Robotics
Simulink Summer
Workshops - Online Series



Questions? Contact us at mathworks@bestinc.org

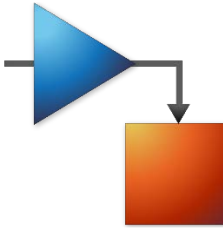


Learn how to program mobile robots for BEST Robotics using MATLAB and Simulink through this series of six 60-minute online classes held weekly. Each class will add on to the previous week's lesson, so it is recommended to attend all 6 classes. Time will be provided at the each of each class for Q&A. All are welcome to attend--no experience with MATLAB or Simulink are required.



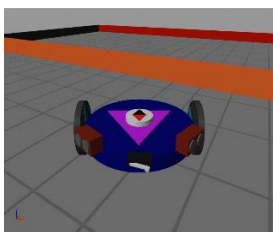
Class 1 (May 24th)

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



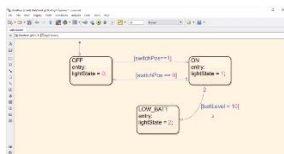
Class 2 (May 31st)

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



Class 3 (Jun 7th)

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



Class 4 (Jun 14th)

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



Class 5 (Jun 21st)

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



Class 6 (June 28th)

- * Autonomous 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 the Add-on Explorer

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

o Contact roboticsarena@mathworks.com for any other showstoppers