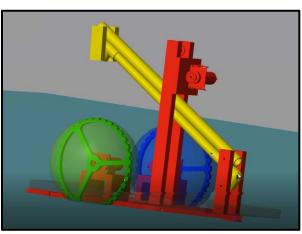Presented by **MathWorks®**

Modeling and simulation of multibody mechanical systems in a 3D environment is very common in engineering today. It helps engineers develop control systems and test system-level performance of their products.

Take your computer aided design to the next level in this challenge with Mathworks Simscape Multibody simulation environment. Model your team's robot in Simscape for a realistic 3D Simulation.

Start from scratch or import existing CAD models. Add joints and physical motion. Add modeling of actual physics, spatial contact/collisions between objects, and manipulation of game objects, all within the virtual environment provided.

Submit a video demonstration of your robot on the virtual robotics playground.

Earn recognition in your region (Texas, Denver, Souths) as the best modeler in the nation.

Any team can participate. Awards will be presented based on Regional and National level rankings at the conclusion of the challenge.

Learn More & Make Your Submission Here

Access the complete challenge rules through your Team Workflow.

Register for the Sep 6 Robot Modeling Webinar here

September 7, 2023   5PM Central

The Simulink student forum brings together student veteran Simulink users and novice Simulink users for a discussion about the tool, how to get started, lessons learned, and any other Q&A. It is a chance for veterans to share their story and give guidance to the novice users. Novice users can ask any questions they desire. The peer-to-peer communication/collaboration is a new way to encourage and train students on the Simulink usage and a successful process. The forum will be an online meeting ~1 hour in length. Two teams of veteran student Simulink users will share followed by an open Q&A with attendees.

[Register for the Simulink Student Forum Here](#)