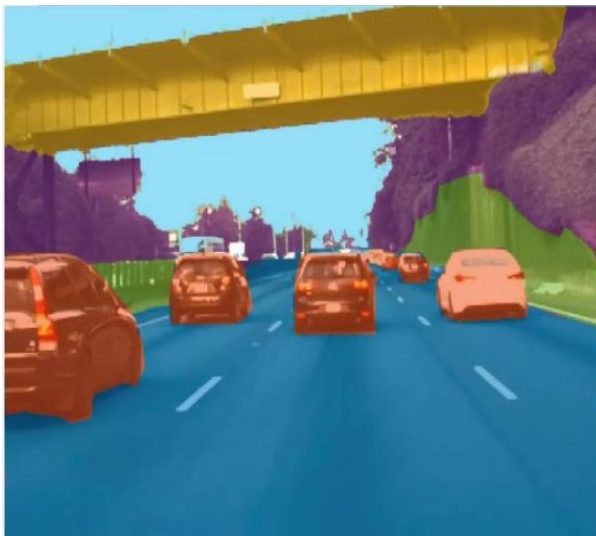


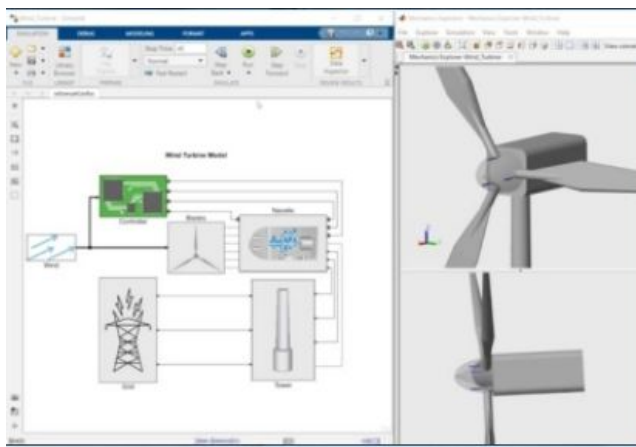


CSU and MathWorks are pleased to welcome you to the first of many technical events for CSU students, faculty and staff! Our sessions are designed to help prepare students for greater success after graduation. As graduates prepare to enter the workforce, it's key for them to match their skills to the needs of their employers.

Here are examples of topics that we expect to be part of our monthly discussions and presentations:



Are you interested in Self-Driving Car technology? It is clearly transformational and on the cutting-edge of robotics, machine learning, and engineering. It involves everything from computer vision to detect lanes and sensor fusion to detect all the fine details of the surrounding environment in real time, to control systems to steer, accelerate and brake the car as it moves through a crowded landscape. All the major automotive companies are applying significant engineering resources to bring this technology to market.



Maybe you are also interested in Model-based Design? The modern engineering workplace uses advanced computer tools and techniques to quickly evolve an engineer's idea to production through extensive and advanced modeling and analysis. MATLAB and Simulink are key tools for Model-based Design for many companies across a wide swath of engineering technology. Among the technologies involving Model-based Design and both MATLAB and Simulink is that of Self-Driving Cars.

Come listen to experts in the field talk about engineering problems in this exciting field. You never know – it could spark your interest to embark on an amazing career!

Please join us on **February 26, 2021 for 2 pm PST** for our kick-off webinar on automated driving.

Modeling automated driver systems with MATLAB and Simulink

With the help of a demo from the domain of automated driving, learn how you can model automated driver assistance systems (ADAS) environments that include roads, ego vehicles and actors. We will also discuss common challenges and questions faced by automated driving engineers in the industry.

Highlights:

- Automated Driving toolbox resources and blocks
- Sensor detections, sensor fusion, and tracking
- Cuboid world, Bird's Eye scope, and Unreal 3D environments
- Open Q&A with the audience

Event registration:

[WebEx event and registration link](#)

Background:

Some 4 years ago, the CSU developed a system-wide contract with MathWorks for MATLAB with 14 participating campuses. The CSU-MathWorks partnership began then, and now 18 campuses are signatories to the agreement.

This new initiative seeks to leverage the CSU-MathWorks partnership in ways that build community around the topic of computational science. Its main objective is to develop a MATLAB Cooperative with the California State University, serving students and faculty at their campuses. Participants will be able to have discussions, build relationships with established scientists and industry leaders, present and share their work, develop more advanced skills in those areas, all of which are designed to enhance the employment prospects of student participants.

For more information and exciting resources, , please visit [CSU Speaks MATLAB](#) for information on campus participation, curriculum content, and resources to support teaching & research.

Looking for more? Check out [Online Teaching with MATLAB & Simulink Resource Page](#)

Contacts:

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From CSU - [Dr. Michael Thorburn](#) (Cal State LA), and [Dr. JP Bayard](#) (Sacramento State)