

Tesla is visiting MITERS!

For this visit, we will have three tech talks on the mechanical engineering in Tesla's powertrain department with time for questions and networking as well. We have the following team members coming:

Ethan Perrin is a Senior Mechanical Design Engineer on the battery design team at Tesla. He graduated in 2020 from Course 2 and spent a lot of time in MITERS and on the FSAE team. At Tesla, Ethan has worked on a wide range of projects spanning battery pack design, cell development, and manufacturing & test equipment. Ethan will present an introduction to battery thermal-electrical performance modeling with a focus on practical techniques that give accurate results without finite element analysis.

Yuanyu Chen is a Staff Electronic Design Engineer working on the traction inverters at Tesla. She was course 2 '12, switched to EE a few years later, and now works on a very multidisciplinary team of mechanical and electrical engineers. She will talk about what mechanical engineers worked on in our latest generation of traction inverters at Tesla. If you've ever thought that power electronics was only for electrical engineers, she's happy to show you how fundamental mechanical engineers are to this interdisciplinary field.

Kivanc Yildiz is a Senior Mechanical Design Engineer at Tesla, focusing on electric motor design. As a student he led the Formula SAE team at uOttawa before joining the motor design team. Currently he leads the development of several new rotor technologies. The motor design team manages the pipeline from R&D to mass production, and Kivanc will be talking about this development process from concept to launch.

Kyle Liechty is a Senior Project Manager in the recruiting org at Tesla. He's happy to help connect you with teams at Tesla for internships and full-time roles!

Please feel free to bring questions and resumes. We are happy to share our experiences of transitioning from MIT to full-time at Tesla, and give advice on tailoring your coursework and extracurriculars to prepare you for the very hands-on work we do. We are also hiring for non-design roles in testing, manufacturing, reliability engineering and more, and are happy to talk about those roles as well.

Friday, Feb 16

Room N51-310, 7-9pm

Refreshments will be provided