



## Summary of this week

- Congratulations for completing the honors section of the “Equivalent Circuit Cell Model Simulation” course!
- This past week, you learned
  - The need for co-simulating the battery and its load
  - How to write equations to simulate an electric vehicle
  - How to write code, using these equations, to simulate an electric vehicle
- You also saw some simulation results



## Where from here?

- You are now ready to begin learning battery management algorithms themselves!
- So, course 3 “Battery State of Charge (SOC) Estimation” introduces
  - How to define state of charge carefully
  - Some simple ways to estimate state of charge and their weaknesses
  - An introduction to Kalman filters
  - Using extended and sigma-point Kalman filters to estimate battery state
  - Real-world issues solved by KF methods



## Credits

Credits for photos in this lesson

- “Compass” on slide 2: Pixabay license  
 (<https://pixabay.com/en/service/license/>), cropped from  
<https://pixabay.com/en/compass-navigation-map-direction-390054/>