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Algorithms for Battery Management Systems Specialization [1]

About This Specialization

In this specialization, you will learn the major functions that must be performed by a battery management system, how lithium-ion battery cells work and how to model their behaviors mathematically, and how to write algorithms (computer methods) to estimate state-of-charge, state-of-health, remaining energy, and available power, and how to balance cells in a battery pack.

Language
English

Level
Intermediate
C

ommitment?

3 months at 12 hours/week

Specialization Overview

There are 5 Courses in this Specialization:

- Introduction to Battery-Management Systems
- Equivalent Circuit Cell Model Simulation
- Battery State-of-Charge (SOC) Estimation
- Battery State-of-Health (SOH) Estimation
- Battery Pack Balancing and Power Estimation

For More Information or to Enroll

[2]

Created by:

Groups audience:
MOOCs
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MOOC: Battery Management Systems Sidebar

Source URL:https://www.cu.edu/mooc/battery_management_systems

Links
[1] https://www.cu.edu/mooc/battery_management_systems
[2] https://www.coursera.org/specializations/algorithms-for-battery-management-systems