



5 Courses

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



Mar 3, 2021

PEI ZHAO

has successfully completed the online, non-credit Specialization

Algorithms for Battery Management Systems

To earn this certificate, participants must score 80% or higher on all quizzes and programming assignments. The specialization teaches participants 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. It focuses on how to write algorithms to estimate state-of-charge, state-of-health, remaining energy, and available power, and on how to balance cells in a battery pack.

Dr. Gregory L. Plett
Professor, Department
of Electrical and
Computer Engineering
University of Colorado
Colorado Springs

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/specialization/WBP8QCXYLBLT>