Summary of this week

- This past week, we extended beyond understanding electro-chemical cells and focused our attention on learning about lithium-ion cells
  - Why would we be interested in them? What are their advantages?
  - How does operational mechanism differ from standard electrochemical cells?
  - What materials are used for current collectors, electrodes, separator, electrolyte, in different types of Li-ion cells?
  - Finally, we considered whether the global lithium supply is sufficient to meet possible future demand

Where from here?

- The focus of this specialization is on BMS algorithms
- So, next week we turn our attention to learning about major BMS functions
  - What does a BMS need to do?
  - What are design considerations for BMS and battery-pack architecture?
  - What are the sensing requirements of a BMS, and how does it meet those requirements?
  - How does a BMS safely dis/connect pack from load?
  - What does BMS need to know about thermal management?

Credits

Credits for photos in this lesson

- "Now what?" sign on slide 2: By John Eisenschenk, [CC BY 2.0 (`https://creativecommons.org/licenses/by/2.0/`)], `https://www.flickr.com/photos/johne777/11873522964`

Article concerning battery-pack life I mention during my narrative on slide 2:

- `https://electrek.co/2016/11/01/tesla-battery-degradation/`