News of the week (week 6): where are we?

1. 12 Sep (W1): Introduction to course and simple SOE/SOC models + exercises
2. 19 Sep (W2): Energy storage attributes and energy storage applications + exercises
3. 26 Sep (W3): Scheduling energy storage operations (on video) + coding exercises
4. 03 Oct (W4): Battery energy storage systems (BESS) + visit to the BESS of EPFL
5. 10 Oct (W5): Guest lecture (presenter from ALPIQ)
6. $\longrightarrow$ 17 Oct (W6): Battery basics and towards battery equivalent circuit models
7. 24 Oct (W7): Holiday week
8. 31 Oct (W8): Battery Management Systems (BMS)
9. 07 Nov (W9): Laboratory 1: model identification of battery cells (**4 hours** - we might be faster)
10. 14 Nov (W10): Laboratory 2: state-of-charge estimators (**4 hours** - we might be faster)
11. 21 Nov (W11): Hydropower and Pumped-Storage Hydropower (PSH)
12. 28 Nov (W12): Independent work
13. 05 Dec (W13): Presentations day
14. 13 Dec (W14): Reserve day

Program of the day (week 6)

Today, we will talk about:

- what happens inside a battery cell; and
- new (more precise and more appropriate) definition of state of charge.

By tomorrow:

- The MATLAB code of Ex. 3.1 (linear scheduling problem for optimization under TOU electric tariffs, along with the extension to quadratic program) will be made available.
- A new exercise (an extension of the scheduling problem) will be released and the solution will be discussed together in two weeks.