

Building batteries from wood

To make the battery more environmentally friendly, the aim of this MSc thesis project is to build a sustainable battery from wood materials. This battery only contains sulfur (S), lithium (Li), carbon (C), oxygen (O) and hydrogen (H), all of which can be easily recycled by established industrial processes.

In the thesis project you will work on preparation and of characterization materials as well fabrication and testing of full cells.

- ✓ High theoretical energy density
- ✓ Environmental friendliness
- ✓ High natural abundance

Contact information

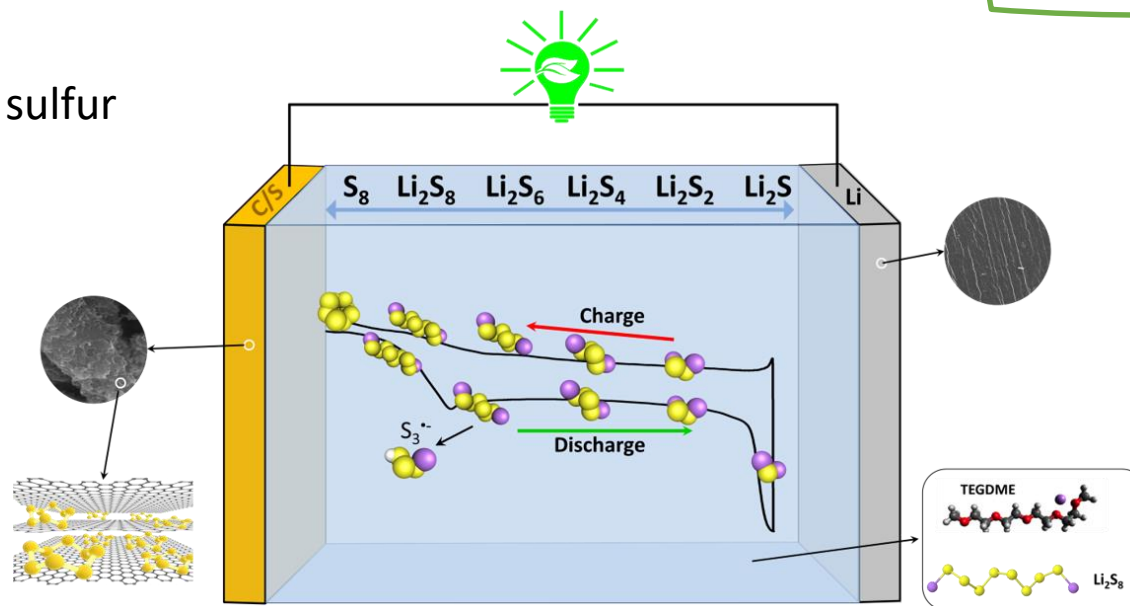
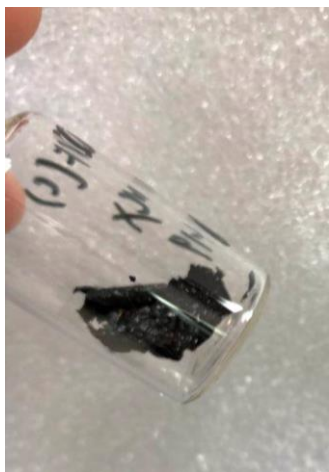
Professor Aleksandar Matic

Department of Physics

matic@chalmers.se

Cathode

Cellulose/carbon nanofiber / sulfur



Anode

Carbonized cellulose/Lithium

