

# Nordic Flow Battery Network Autumn School

November 24<sup>th</sup>–26<sup>th</sup> 2021  
University of Turku

Expand your knowledge on  
redox flow batteries'  
kinetics and thermodynamics,  
modelling, and  
commercialization.

Registration and abstract  
submission deadline:  
October 24th

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Nordic Energy  
Research



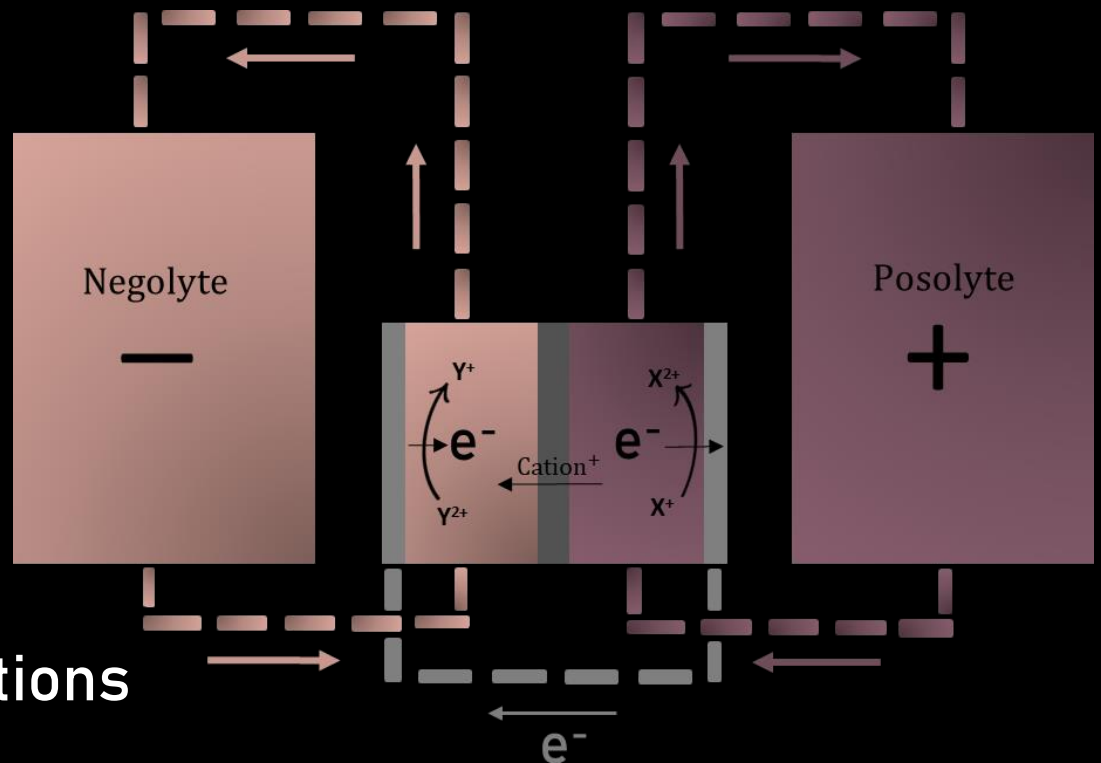
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# Tentative program

|             | Wednesday 24 <sup>th</sup>  | Thursday 25 <sup>th</sup>                                  | Friday 26 <sup>th</sup>                      |                   |
|-------------|---|--|--|-------------------|
| 9:00–9:45   | Introduction to RFBs  | Topic TBA<br>(Jens Noack, Fraunhofer ICT)                  | Student session<br>(15-minute presentations) | Tutorial lectures |
| 10:00–10:45 | Commercialization   | Non-equilibrium thermodynamics<br>(Odne Burhemn, NTNU)     |  |                   |
| 11:00–11:45 | Experimental aspects of RFBs<br>(Michael Gerhard, SINTEF)                 |  |  |                   |
|             | Lunch   |  |  | Invited talks     |
| 13:00–14:30 | COMSOL<br>(Henrik Enkström, COMSOL)                                       | Non-aqueous RFBs<br>(Kathryn Toghil, Lancaster University) | Student session<br>(Lightning talks)         |                   |
|             |   | Solar RFBs<br>(Adélio Mendes, University of Porto)         |  |                   |
| 15:00–16:30 | Electrokinetic and osmotic effects<br>(Anders Bentien, Aarhus University) | DFT calculations<br>(Piotr de Silva, DTU)                  |  |                   |
| 16:30–18:00 | Posters session   | Social activity  |  |                   |
|             | Dinner  |  |  |                   |

## Tutorial Topics:

- Electrokinetic and osmotic effects
- Non-equilibrium thermodynamics
- Commercialization
- COMSOL Modelling
- Density Functional Theory (DFT) calculations



PhD students can submit an abstract for a presentation and/or a poster related to Flow Battery systems. 1 ECTS credit can be awarded upon request.

Registration and abstract submission: October 11<sup>th</sup> -24<sup>th</sup>

Registration fee: 350€  
Accommodation upon request: 200€



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