Programme of the Annual Belgian–Dutch Electrochemistry Symposium

Challenges in Upscaling Electrochemical Processes

This symposium brings together researchers from academia and research institutes to explore the challenges of upscaling electrochemical processes. Discussions will cover recent advances in electrocatalyst development and stability, electrochemical CO_2 conversion, and the broader transition from lab-scale insights to scalable solutions.

Date: **Friday 7th of November, 2025**
Location: **University of Antwerp**

09:30 – 10:00	**Welcome and coffee**
10:00 – 10:15	**Introduction by Prof. Tom Breugelmans** (Chairman, University of Antwerp)
10:15 – 11:00	**Keynote: Acidic CO_2 electrolysis to liquid products** Prof. Elias Klemm (University of Stuttgart)
11:00 – 11:30	**Conductivity Effects in Electrocatalysts Towards Electrochemical CO_2 Reduction to Formate** Mr. Digvijay Ghogare (VITO)
11:30 – 12:00	**Green Carbon Cycling: Electrochemical amine regeneration Strategies for Efficient CO_2 Capture & Release** Dr. Luis F. Leon-Fernandez (University of Antwerp)
12:00 – 13:15	**Lunch**
13:15 – 14:00	**Keynote: Recent developments in alkaline membrane water electrolysis** Prof. Thomas Turek (TU-Clausthal)
14:00 – 14:30	**Delayed copper restructuring during CO_2 electrolysis with system and reaction design** Mr. Jesse Kok (TU Delft)
14:30 – 15:00	**Novel Carbonaceous Electrodes for Redox Flow Batteries: From Fundamental Insights to Scalable Manufacturing** Dr. Remy Jacquemond (TU Eindhoven)
15:00 – 15:30	**Coffee & Tea break**
15:30 – 16:15	**Keynote: Key challenges in advancing CO_2 electrolysis to a viable process** Prof. Ruud Kortlever (TU Delft)
16:15 – 16:45	**Unexpectedly Unstable: Cathodic Corrosion of Platinum Electrodes** Dr. Mark Aarts (University of Leiden)
16:45– 17:15	**Electrochemistry Beyond the Beaker: Combining Nanoscale Precision with Macroscale Impact** Dr. Rico Rupp (IMEC)
17:15 – 18:00	**Closing & Drinks**

Symposium language: English

Venue:
Hof van Liere, University of Antwerp
Prinsstraat 13, 2000 Antwerp, Belgium

How to get there:
Trains arrive at **Antwerpen-Centraal** station. While tram and bus options are possible, we recommend walking to the venue.

- **By foot:**
  About a 15-minute walk from Antwerpen-Centraal to the City Campus (Hof van Liere, Prinsstraat 13).

- **By taxi:**
  Taxis are available at **Antwerpen-Centraal** (Pelikaanstraat exit).

- **By car:**
  No on-campus parking is available on weekdays. Please use paid public car parks near the Stadscampus or a P+R at the city edge and continue by tram/bus. Note that the Stadscampus lies within Antwerp's Low-Emission Zone; check vehicle access in advance: https://lez.antwerpen.be.
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Registration

You can confirm your participation via following link before the 31st of October
https://forms.office.com/e/pYb0EEkWWH

The participation fee is €50 and includes lunch. You are kindly requested to transfer your payment before the 5th of November to:

IBAN: NL54 ASNB 8852 1161 09
Account holder: J.E. Dykstra
City/Country: Utrecht, The Netherlands
BIC/SWIFT: ASNBNL21
Payment reference: BD-ElChem + [Participant's Name]

We would appreciate it if you would forward this convocation to your students, colleagues and others who may be interested.

The working group committee,

Prof. Tom Breugelmans
Prof. Jouke Dykstra
Dr. Luis F. Leon-Fernandez

Symposium language: English