



Antwerpen, 3 september 2013

Dear colleagues,

It is our pleasure to invite you to this year's annual Dutch/Belgian meeting of the KNCV Working Group on Electrochemistry, an ISE sponsored symposium. It will take place in Leiden and will have the following theme:

Electrocatalysis

Date: **Friday 29 November 2013**

Location: **Leiden University**

Programme description:

Electrocatalysis may be defined as the relative ability of electrode surfaces to accelerate the rate of a given electrochemical process. Those catalyst materials are extremely important and can be found in a wide range of research fields and applications, including development of electro-analytical sensors, electro-organic synthesis, waste water treatment, and energy conversion devices. To optimise and to increase the use of these electrocatalytic materials the nature of this catalytic material (often noble metals dispersed as nanoparticles), the nature of the support (material, surface structure, electron transfer properties) and the interaction between the catalytic particles and the support material are essential.

In this thematic symposium experts from academia and industry will discuss different aspects of electrocatalysis. The topics include the synthesis of different types of new electrocatalysts and the electrochemical stability and selectivity of specific types of electrode materials.

Registration

You can confirm your participation via e-mail, see last page. The participation fee is €40 and includes lunch. You are kindly requested to transfer your payment before 1 November to:

IBAN: BE69 0016 7856 3778 BIC/Swift code: GEBABEBB, in name of:
Tom Breugelmans, Lindekensbaan 2, 2560 Kessel
Please mention "KNCV-EIChem" and the name(s) of the participant(s)

Alternatively, you can pay during registration at the symposium.

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

On behalf of the working group committee,

Tom Breugelmans

Enclosed: Programme, map and registration information



Programme of the Annual Symposium of the KNCV Working Group on Electrochemistry

Electrocatalysis

Date: **Friday 29 november 2013**
Location: **Leiden University, zaal 1 of Gorlaeus Laboratorium**
Einsteinweg 55, 2333 CC Leiden

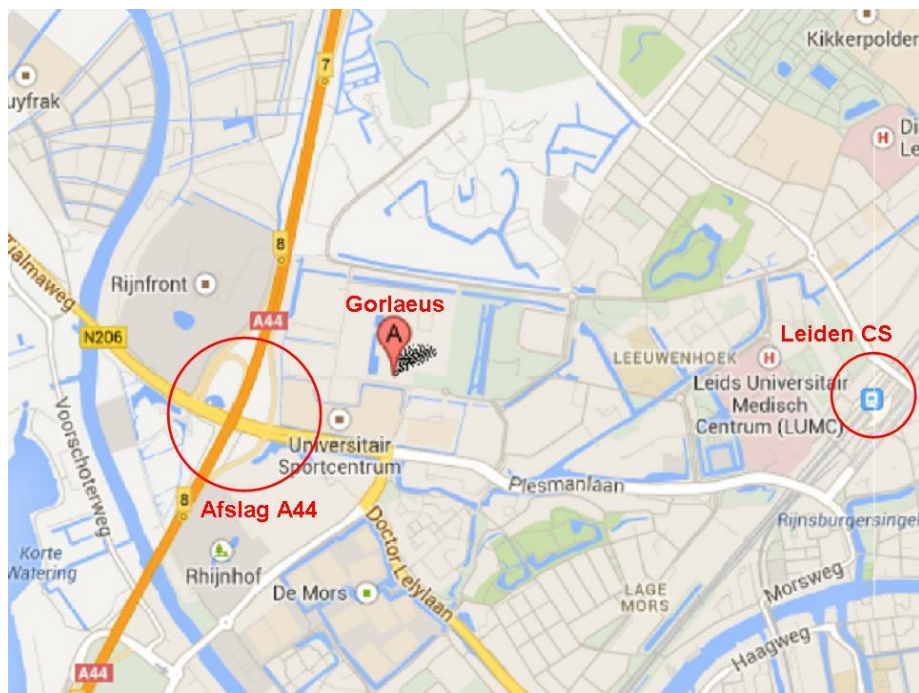
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- 9:30 – 10:00 **Welcome and coffee**
- 10:00 – 10:15 **Introduction by Prof. Marc Koper** (Chairman, Leiden University)
- 10:15 – 11:00 **Stability of electrocatalysts for electrochemical energy conversion**
Dr. Karl J.J. Mayrhofer (Max-Planck-Institut, Düsseldorf)
- 11:00 – 11:30 **Electrochemical approaches to treat water and recover resources**
Dr. Adriaan Jeremiassen (MAGNETO Special Anodes)
- 11:30 – 12:00 **Nitrogen-doped ordered mesoporous carbon as electrocatalyst for oxygen reduction to H₂O₂**
Prof. Paolo Pescarmona (KU Leuven)
- 12:00 – 13:30 **Lunch**
- 13:30 – 14:00 **Structure sensitivity of making and breaking bonds at atomically well-defined electrocatalyst surfaces**
Drs. Hongjiao Li (Leiden University)
- 14:00 – 14:30 **Heterogeneous catalysis in aqueous phase, or electrocatalysis?**
Prof. Leon Lefferts (University of Twente)
- 14:30 – 15:00 **Coffee & Tea break**
- 15:00 – 15:30 **Surface and electrochemical characterisation of a Pt-Cu/C core-shell electrocatalyst, prepared by galvanic displacement**
Drs. Bart Geboes (University of Antwerp, Vrije Universiteit Brussel)
- 15:30 – 16:00 **Electrocatalysis in the production of chlorine and sodium chlorate**
Dr. Thijs De Groot (Akzo Nobel)
- 16:00 – 16:15 **Annual ISE meeting 2016 in the Netherlands**
Dr. Maarten Van Brussel – Prof. Marc Koper
- 16:15 – 18:00 **Drinks**

Symposium language: English





Location: Leiden University, zaal 1 of Gorlaeus Laboratorium
Einsteinweg 55, 2333 CC Leiden



Route description to Leiden University

(see <http://casc.lic.leidenuniv.nl/contact/travel-directions>)

Public Transport

- By train: Leiden Central station is about 10 minutes from The Hague, 35 minutes from Amsterdam, 30 minutes from Rotterdam and 45 minutes from Utrecht.
- By bus (from Leiden Central station): Take bus 43 to The Hague, as far as the 'Universiteitsterrein' stop.

By Car:

- The simplest route is via the A44 (to the west of Leiden), rather than via the A4, which passes Leiden to the east.
- Take the exit Leiden/TransFerium (exit number 8) and follow the Leiden direction. Take the N206 (Plesmanlaan) and then follow the signs to the Bio-Science Park.
- At the second set of traffic lights turn left, in the direction of the Bio-Science Park.
- Follow the road (Einsteinweg) which bends to the left until you approach a roundabout.
- Go straight on at the roundabout and you will see the Gorlaeus Laboratories on your right hand side (the large dish-shaped building). The car park is on your left hand side.



Registration

for the Annual KNCV Electrochemistry Symposium on Friday 29 Nov. 2013

Number of participants :

Name(s) :

Affiliation :

Address :

E-mail :

Payment transferred to: BE69 0016 7856 3778 on: (date)
or: will pay at symposium

Please copy/past the text above and e-mail it to: tom.breugelmans@uantwerpen.be

(acknowledgement of receipt will be sent)