

Electrochemistry for Electronics: from Nano- to Large-Scale Applications

Date: Friday 26 November 2010

Location: TNO Eindhoven

- 9:00 – 9:45 **Welcome and coffee**
- 9:45 – 10:00 **Introduction by Prof. Peter Notten** (Chairman, TU Eindhoven)
- 10:00 – 10:45 **Electrochemical Nanofluidics: Mesoscopic and Single-Molecule Limits**
Prof. Serge Lemay (Twente University)
- 10:45 – 11:15 **Patterned Electrodeposition for Interconnection**
Dr. Arjan Hovestad (TNO Eindhoven)
- 11:15 – 12:00 **Electrochemistry in the Semiconductor Industry**
Prof. Philippe Vereecken (IMEC Leuven)
- 12:00 – 13:30 **Lunch**
- 13:30 – 14:00 **Modelling of Copper Superfilling**
Dr. Gert Weyns, Daan Deconinck, Andrei Demeter, Steven Van Damme, and Johan Deconinck (Free University Brussels)
- 14:00 – 14:30 **Copper Electrodeposition on Fast Time Scale: from Underpotential Deposition to Bulk Growth**, Drs. Yuriy Yanson (Leiden University)
- 14:30 – 15:00 **Wet Chemical Etching of Highly Doped Si**
Ir. Nick Valckx (Catholic University Leuven)
- 15:00 – 15:30 **Coffee & Tea break**
- 15:30 – 16:00 **The Electrochemistry of 3D Micro-Batteries**
Ir. Jos Oudenhoven (Eindhoven University of Technology)
- 16:00 – 16:30 **Nano-Electrodes for Sensing Applications**
Dr. ir. Frans Widdershoven (NXP Research)
- 16:30 – 18:00 **Drinks**

Symposium language: english



Route description to TNO Eindhoven

(see http://www.tno.nl/downloads/route_rondom_eindhoven_en.pdf)



Rondom 1 Eindhoven

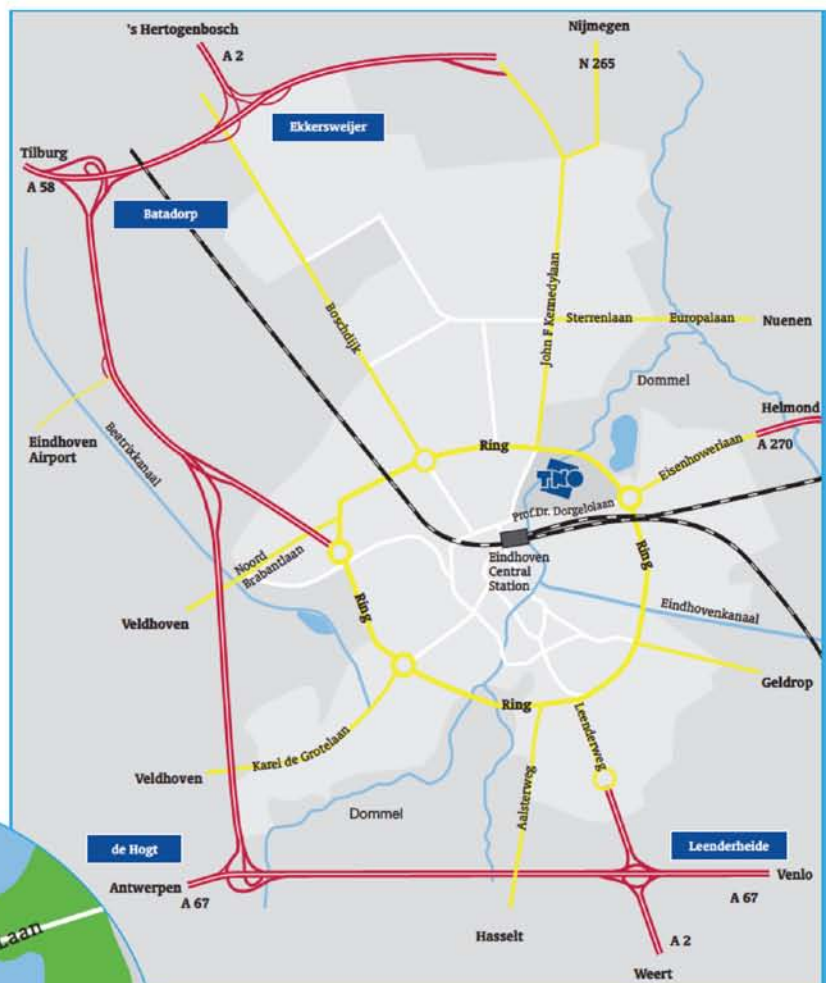
The TNO Science and Industry building is located within the Eindhoven Technical University campus. This is situated in the centre of Eindhoven, close to the railway station.

BY PUBLIC TRANSPORT

Eindhoven Central Station. Come down the stairs from the platform and turn right, leaving the station building through the Northern (bus station) exit. Turn right when you reach the road (Prof. Dorgelolaan). The University campus is on the other side of the road. Keep following the road until you see the TNO building (to your left).

BY CAR

All major roads leading to Eindhoven (A2, A50, A58, A67 and A270) have an exit for the city centre ('Centrum'). Follow the signs for Centrum until the University is indicated. On the University campus the TNO building can be found by following 'De Rondom' (blue route).



TNO Science and Industry

Rondom 1
5612 AP Eindhoven
P.O. Box 6235, 5600 AH Eindhoven
The Netherlands

T +31 40 265 00 00

F +31 40 265 03 01

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Registration for the Annual KNCV Electrochemistry Symposium on 26 Nov. '10:

Number of participants :

Name(s) :

Affiliation :

Address :

E-mail :

Payment transferred to: Giro 611583 on: (date) will pay at symposium

Please submit before 12 November to:

Roel van de Krol
Technische Universiteit Delft
TNW / ChemE / MECS
Julianalaan 136, 2628BL Delft
Nederland

or send an e-mail to:

r.vandekrol@tudelft.nl
(acknowledgement of receipt will be sent)

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