

Workshop Series: Large Fuel Cell Systems

Balance of Plant

**Novotel Brugge Centrum,
17th & 18th May 2010, Bruges, Belgium**

tentative programme as of 17 Feb 2010

Monday , 17 May 2010	
8:30 – 8:55	<i>Registration and upload of presentations</i>
<i>System Issues - Introduction</i>	
9:00 – 9:20	<i>High System Efficiencies – Potentials and Prospects – N.N.</i>
9:30 – 9:50	<i>System Cost Requirements – M. Stelter, IKTS (tbc)</i>
10:00 – 10:20	<i>BoP Component Requirement Profiles – O. Posdziech, EBZ (tbc)</i>
10:30–11:00	<i>Coffee break</i>
<i>BoP: Reformers & Fuels</i>	
11:00 - 11:20	
11:30 – 11:50	<i>Effect of Anode Gas Recycle on the Performance of a Natural Gas Reformer – M. Halinen, VTT</i>
12:00 – 12:20	<i>Biogas clean-up for Large SOFC systems – Paolo Pagliai, U Genoa</i>
12:30 – 12:50	
13:00–14:30	<i>Lunch</i>
<i>BoP: Heat Exchangers</i>	
14.30 - 14:50	<i>Endurance of HT heat exchangers: pushing the life-time beyond 40.000 hrs - Yves de Vos, BOSAL</i>
15:00 – 15:20	
15:30 – 15:50	
16:00 – 16:30	<i>Coffee break</i>
<i>BOP: Blowers and / or Hybrid Systems</i>	
16:30 – 16:50	
17:00 – 17:20	
17:30 – 17:50	
18:30	<i>guided museum or town tour</i>
19:30	<i>Dinner</i>

Tuesday , 18 May 2010	
8:30 – 8:55	<i>Registration and upload of presentations</i>
<i>Systems and BoP: General Issues</i>	
9:00 – 9:20	Chromium Contamination from BoP Components: In Situ Measurements – O. Thomann, VTT
9:30 – 9:50	<i>Reliability analyses during the design phase – H.Hyvonen, Wärtsilä (tbc)</i>
10:00 – 10:20	Stack – BoP Integration – J. Lawrence, staxera
10:30–11:00	<i>Coffee break</i>
11:00 – 11:20	
<i>BoP: Grid Connection</i>	
11:30 – 11:50	Chromium Contamination from BoP Components: In Situ Measurements – O. Thomann, VTT
12:00 – 12:20	
12:30–14:00	<i>Lunch</i>
<i>Large FC Markets</i>	
14.00 – 14:20	
14:30 – 14:50	
15:00 – 15:20	<i>Coffee break</i>
15:30 – 16:00	Workshop summary, planning next workshop (2011) Closing <i>chairman</i>
16:00	End of meeting

Registration Details:

To register please return the attached registration form to Chantal Hake either by e-mail at ch.hake@fz-juelich.de or by fax +49 2461 61 4155

The meeting fee is 250 € including all meals and coffee breaks on 17 May and 18 May and a special Flemish dinner on 17 May.

Presenters will receive a discount of 50%.

In case of questions, please ring +49 2461 61 5124 (Ulrike Schmitt) or 2244 (Chantal Hake).

Hotel rooms have to be booked (and paid) directly with the **Novotel Brugge Centrum**. Find a form for the hotel attached.

A contingent of 25 rooms has been reserved at 118 € a night. First come first served. In case of problems with bookings, we can send a list of other recommended hotels or help with finding accommodation.

W-LAN access should be possible within the meeting room.

In case of questions about the hotel phone Tel. +32 50 33 75 33

The address of the Novotel is

Katelijnestraat 65B, B-8000 Brugge

which is quite near to the famous Begijnhof (Beguinage), the Onze Lieve Vrouw church (Michelangelo Madonna) and not far from the town centre.



Travelling to Brugge

By aeroplane:

to Brussels Airport, from there take a train into Brussels (they run every 10 to 20 minutes, travel approx. 30 minutes). You can change at any of the stations Bruxelles Nord, Central or Midi. From there take an IC train to Brugge (directions of Oostende or Knokke) which run every half hour around the full and half hour (depending on the station you change at). Travel time to Brugge is 1 hour.

From station into town: see below.

By train:

most connections will run through Brussels, the fast trains only through Brussels-Midi (Zuid). From there take an IC train to Brugge (directions of Oostende or Knokke) which runs every half hour around the full and half hour (depending on the station you change at). Travel time to Brugge is 1 hour.

From the station take the bus No. 2 (to Assebroek Peerdeeke) or No. 10 (Sint Kruis Kerk) and alight at the stop 'Katelijnepoort'. Walk into town from the bridge and you will be close to the hotel.

Bus timetable: every 20 minutes up to 20:00 h, then nightlines (Avondlijn) take over and leave every hour. Take 'Avondlijn Zuid' but be sure to ask the driver about which stop to alight at. The ride is about 3 minutes.

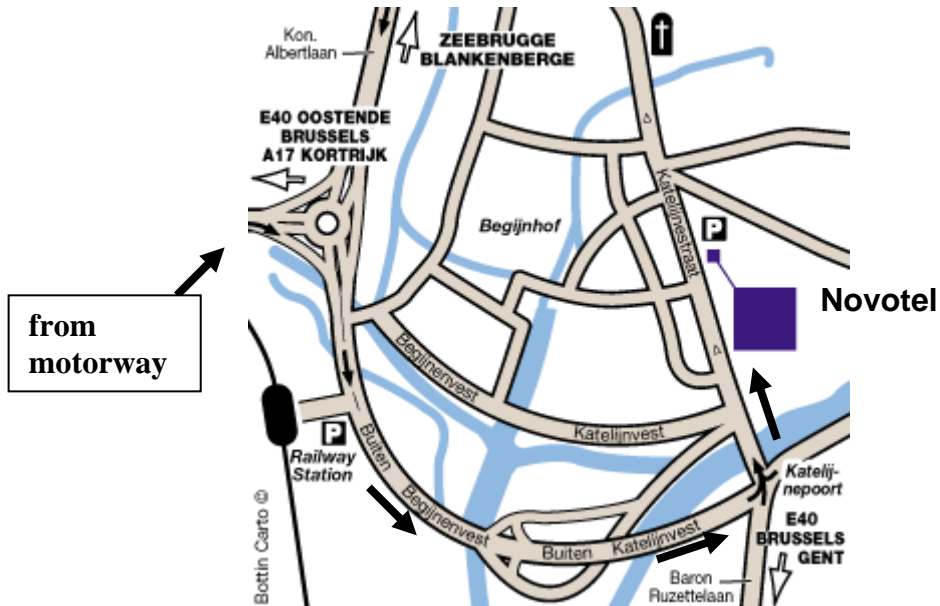
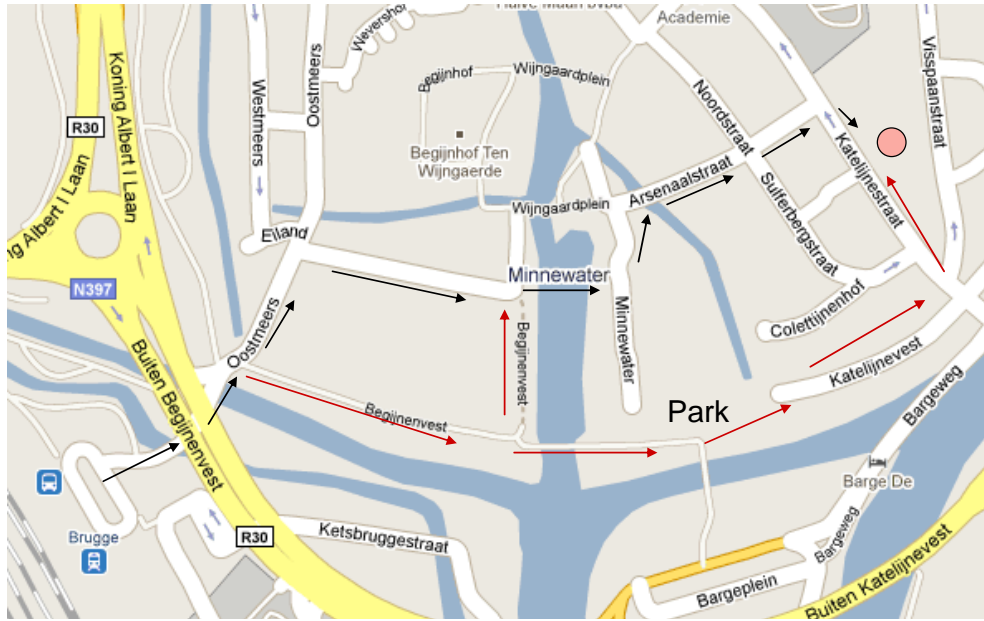
You can also walk (see map below) by directly crossing the street at the station, take the direction of the Minnewater, pass the Begijnhof and walk through to the Katelijnestraat. You will find yourself near the hotel. 15 to 20 Minutes on foot (with luggage, black route). In good weather and with light luggage you can also follow the red arrows through more park-like terrain.

By car:

take the motorway via Brussels to Oostende (E40/A10) and leave at **Exit No. 8** (should be labelled 'Torhout/Brugge/St. Michiels') (see map below). Follow the main road to a large crossing and then do not drive straight on, as signs may indicate, but turn right and follow the old main road directly into town (direction St. Michiels). Carry straight on until you reach the rear of the station, follow the road under the railway bridge and at the next traffic roundabout leave next possibility right. You then pass the front of the station. Drive over a flyover and after that immediately turn left into the Kathelijnestraat (across a canal bridge). A parking facility is located next to the hotel.

From the North (Antwerp, Netherlands etc.) follow the motorway (E17/A14) to Gent. There take the motorway to Oostende and proceed as above. From the South pass Lille (Flandre) and take the E403/A17 to Brugge/Bruges.





Novotel Brugge Centrum

RESERVATION REQUEST

Ref : IEF - PBZ

16 – 18 May 2010

Please complete the requested information and send it by fax to the number below:

- Novotel Brugge Centrum** - Contact : Marianne Van Genneken / Sarah Vandecasteele
Katelijnestraat 65b- 8000 Brugge
tel. +32 (0)50-33.75.33 fax +32 (0)50-33.65.56 – email : H1033-SB@accor.com

Rooms available until Monday 1st April 2010 (after that date : upon availability !)

Name: Company:

Telephone number: Fax number:

E-mail:

ROOMS AVAILABLE AT PROPOSED RATES FOR ONE OR MORE NIGHT(S)

Check-in date : Check-out date : => Number of nights

- | | | |
|---|--------------------------------|----------------------------------|
| <input type="checkbox"/> Single room | breakfast included (per night) | <input type="checkbox"/> €11800 |
| <input type="checkbox"/> Double / Twin room | breakfast included (per night) | <input type="checkbox"/> €136.00 |

Participate to the meeting on the: (please complete)

- 17th of May
 18th of May

Direct payment at the hotel upon departure

No reservation will be confirmed without credit card. In that case room is guaranteed for late arrival and will be kept available the whole night.

In case of non arrival, first night will be charged unless cancelled 48 hrs prior to arrival!

Credit card: Card number:

Name of the cardholder: Expiry date:

Date : Signature

REGISTRATION FORM

Balance of Plant for Large Fuel Cell Systems

Novotel Brugge Centrum
17th & 18th May 2010, Bruges, Belgium

Title*	Mrs <input type="checkbox"/>	Mr <input type="checkbox"/>	Dr <input type="checkbox"/>	Prof <input type="checkbox"/>
Family name*				
First name*				
University / Institution / Company*				
P.O. Box or Street Address*				
Postal Code*				
City*				
Country*				
Phone*				
Fax				
E-mail*				
Presenter*	Yes (reduced fee 125 €) <input type="checkbox"/>		No (full fee 250 €) <input type="checkbox"/>	

*Fields marked with an asterisk * must be filled in*

PLEASE RETURN BY E-MAIL OR FAX TO

Mrs. Chantal Hake at ch.hake@fz-juelich.de or +49 2461 614155

You will then receive a confirmation and an invoice for the meeting fee