

# **CAPE.NET**

**European Thematic Network in  
Computer-Aided Process  
Engineering**



**Technology Working Group 5  
Models in Manufacturing**

## **OPEN WORKSHOP**

**Model validity and fitness for purpose  
A challenge for research and practice**

**Tuesday 23<sup>rd</sup> November 1999  
Norsk Hydro ASA Conference Centre  
Vækerø, Oslo, Norway**

**Announcement and preliminary  
programme.**

The chemical process industries are becoming more and more dependent on model-based computer tools. These tools are beginning to be used in critical roles in design and operation. We need to know how good these models are. However, there are few means available for easily evaluating and quantifying the fitness for purpose, or quality of a model.

This workshop aims to raise some of the issues involved in model validation and seek to find ways to address model quality as an important area for education, research and industrial practice.

# Preliminary programme

08:30	Registration
08:45	
09:00	Coffee
09:15	
09:30	Welcome from Norsk Hydro Management
09:45	Model quality: What is it? Why is it important?
10:00	David Cameron
10:15	Norsk Hydro, Porsgrunn, Norway
10:30	Validation of process design models
10:45	Regina Meloni and Paolo Chiudaroli
11:00	Snamprogetti, Milan, Italy
11:15	Model quality in MPC
11:30	Ton Backx
11:45	IPCOS, The Netherlands
12:00	Lunch
12:15	
12:30	
12:45	
13:00	Comparing empirical and first-principles models
13:15	Magne Hillestad
13:30	Statoil, Trondheim, Norway
13:45	Validation of commercial simulator models
14:00	Helge Hole
14:15	Hyprotech, Oslo, Norway
14:30	Coffee
14:45	
15:00	Documenting the assumptions and decisions in a process model
15:15	Bryn Stenhouse
15:30	BP Exploration, United Kingdom
15:45	The Engineer's responsibility for Computer-Aided Decisions
16:00	Tony Perris
16:15	CAPE.NET and IChemE Working Party, United Kingdom
16:30	Panel discussion:
16:45	Where to from here?
17:00	
17:15	
17:30	
17:45	
18:00	
18:15	
18:30	
18:45	
19:00	Dinner
19:15	
19:30	
19:45	

# Practical details

## Location

The meeting will be held at Norsk Hydro's facilities at Vækerø, in the suburbs of Oslo.

## Travel

There are direct flights to Oslo from most major cities in Europe.

There are a number of ways to get from the city to the airport:

- Airport express train (Flytoget). This high speed train runs every ten minutes and takes only 19 minutes to Oslo Central. NOK 120 one way.
- Airport buses. These are cheaper and slower (40-60 minutes travel time). The SAS "Flybuss" terminates at the SAS Scandinavia Hotel (NOK 57, every 10 minutes, travel time 55 minutes). The Norway Bus Express busses go to the city bus station (NOK 60, every 30 minutes).

For more information see:

[http://www.osl.no:81/english/osl\\_web\\_english.html](http://www.osl.no:81/english/osl_web_english.html).

## Hotels

Rooms have been reserved at the following hotel in central Oslo:

Scandic Crown Hotel Oslo, Parkveien 68, N-0254 Oslo, Tel: +47 22446970, Fax : +47 22442601, Telex: 71763 crown n, Price: NOK 856, inc. breakfast.

These rooms are held until *27<sup>th</sup> October 1999*. After this date Hydro will be able to help with booking but cannot guarantee availability.

We can also help with cheaper options if desired.

## Getting to Vækerø

The easiest way to get to Vækerø is by taxi. Alternatively the number 31 or 32 public bus stops outside Hydro and goes from Drammensveien at the corner with Parkveien.

## Tourist information

The following web-sites give travel information about Oslo:

- <http://www.tourist.no/>: Norwegian tourist guide.
- [http://www.oslopro.no/index\\_e.html](http://www.oslopro.no/index_e.html) : Oslo guide.
- <http://www.hurra.no/> : Good map of the city centre. The Scandic Hotel is at G13.

# Reply Slip

Please return this slip as soon as possible, and *by 27<sup>th</sup> October 1999* at the latest, to:

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Name: \_\_\_\_\_

Company / Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_ Telefax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Please book accommodation for me: YES / NO.

Arriving: Date: \_\_\_\_\_ Time: \_\_\_\_\_

Leaving: Date: \_\_\_\_\_

I wish to attend a group dinner on Tuesday evening (at own expense):  
YES / NO.